

PPA END OF YEAR REPORT FFY2012



State of Utah
Department of Environmental Quality
and
United States
Environmental Protection Agency
Region VIII

DECEMBER, 2012

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Introduction

This End of Year Report documents the accomplishments of the Utah Department of Environmental Quality under the FY12 Performance Partnership Agreement and Performance Partnership Grant.

Utah DEQ appreciates the flexibility allowed by the PPA and PPG in meeting critical environmental goals and the burden reduction offered by a single end of year report.

We remain committed to the PPA as “the most effective mechanism through which EPA and states can explain jointly-developed goals and priorities and how they will work together to achieve environmental results.”¹

¹ EPA Website, Performance Partnership Agreements at http://www.epa.gov/ocir/nepps/pp_agreements.htm

DIVISION OF AIR QUALITY

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 1: Improving Air Quality – Achieve and maintain health-based air pollutant standards and reduce risk from toxic air pollutants and indoor air contaminants	Reduce Criteria Pollutants and Regional Haze	1. Develop and implement appropriate SIPs for all areas of the state.	a. State develops all State Implementation Plan revisions required to meet federal law and submits them to EPA for their review and approval according to the established timeframe. STATUS: The State has completed the PM_{2.5} SIP for Cache County, and is working with EPA to complete the SIPs for the Salt Lake and Provo nonattainment areas. All other outstanding SIP revisions are awaiting the development of EPA guidance.
			b. The State identifies a possible funding source to facilitate development of multiple major SIP revisions simultaneously as necessitated by EPA's concurrent revision of the PM _{2.5} , ozone, NO ₂ , and SO ₂ National Ambient Air Quality Standards. STATUS: The funding has not been identified.
			c. All measures contained in the SIP approved by the Air Quality Board are fully implemented. STATUS: Utah has implemented all control measures contained in plans submitted to EPA.
		2. Develop and improve appropriate inventories.	a. The Title V inventory is prepared by August 15. STATUS: The Title V inventory was prepared by August 15, 2012.
			b. Required inventory data is entered into the NEI by June 1. STATUS: All of the required inventory data which include point, area, mobile, and non-road inventories are on track to be submitted to the NEI on time by the end of this year.
			c. Non-HAP/non-Criteria/non-MACT regulated pollutants are inventoried as required by federal rules. STATUS: Non-HAP/non-Criteria/non-MACT inventories were submitted by August 15, 2012.
			d. The inventories required for the Maintenance Plans and SIPs are developed as required and appropriate technical support for each is submitted to EPA for their review with the applicable plan. STATUS: Episodic, base-year, and projected- year inventories were completed, documented and submitted to the Air Quality Board, EPA, and the public for comment. Further work on future-year inventories for the Salt Lake and Provo non-attainment areas are still under development. These will be completed along with documentation by Spring, 2013 so that the PM_{2.5} SIP's for

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			<i>those areas can be submitted on the time table submitted by UDAQ.</i>
		3. Continue to meet federal requirements for PSD increment tracking.	a. Increment consumption for major sources is tracked as permits are issued. <i>STATUS: Class I and Class II increment analyses were completed for all PSD permit applications.</i>
		4. Maintain an adequate ambient air quality monitoring program meeting the requirements of 40 CFR Part 58 to assess public exposure to air pollutants and to establish the attainment status.	a. The annual Monitoring Network Plan is completed and submitted to EPA by June 30. Evaluate monitoring network to reflect recent changes in funding and national monitoring requirements to optimize the network. <i>STATUS: The annual network review was completed and made available for inspection and comment on May 31, 2012. Comments indicate a need to change the focus of the review and make it less of a retrospective document and more of a forward looking plan. Comments will be addressed with the 2013 network plan.</i>
			b. The PM2.5 monitoring network is maintained and operated as appropriate funding is received from EPA. <i>STATUS: The PM2.5 monitoring network was maintained and operated as funded by EPA.</i>
			c. Monitoring data are submitted to EPA 90 days after each quarter. <i>STATUS: Data are generally submitted to EPA within 90 days after each quarter, however some SPM and Industrial data may not be submitted within 90 days.</i>
			d. Locations for new monitoring sites are based on current emission inventories, air quality modeling and EPA regulation. <i>STATUS: Ongoing</i>
			e. Staff works with EPA to assess the impacts of changes to 40 CFR 58, and continue planning for the implementation of those changes (National Monitoring Strategy/Ncore Monitoring Network). <i>STATUS: The NCORE required monitoring started January 1, 2011 and continues.</i>
			f. The National Air Toxics Trends site in Bountiful is operated in accordance with NATTS QAPP with appropriate updates. <i>STATUS: The National Air Toxics Trend site in Bountiful is operating. Samples have been collected and submitted to EPA's contract lab. The data have been reviewed and approved for submittal into EPA's AQS data base.</i>

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			<p>g. An appropriate response to each identified NAAQS violation is prepared and submitted to EPA. STATUS: UDAQ and EPA are using the current monitoring data to propose the attainment status for each area in Utah. As monitored exceedances of the NAAQS are identified that are influenced by exceptional events, appropriate data flags are being applied, and supporting documentation submitted to EPA for review and concurrence. As nonattainment areas are identified, appropriate State Implementation Plans will be developed to address the issues causing the nonattainment status.</p> <p>h. The annual certification of 2011 data is completed by the revised May 1, 2012 annual certification date. STATUS: Certification of 2011 data was completed and submitted to EPA on May 16, 2012.</p> <p>i. Participation in the Three-State Pilot Study continues with two major tasks: 1) continued operation of the Price ozone / meteorological site with a goal of collecting 3 years of Federal regulatory data using existing EPA funds and anticipated Federal Land Manager funds in FY11/12; and 2) staff and other support is provided to the Three-State data warehouse and modeling efforts as the project design matures and funding allows. STATUS: UDAQ is completing the second year of operating the Price monitor. This monitor is classified as special purpose and all data is submitted to AIRS. UDAQ staff participates on the 3-State Project steering committee and helped develop the study plan.</p> <p>j. Based on the analysis of the Summer 2011 Washington Country Saturation Monitoring Study, work with Region 8 staff to identify an appropriate ozone monitoring site for Southwestern Utah, prepare a revision to the monitoring network plan identifying that site by June 2012, and have the new monitor operating by May 2012. STATUS: The new site location was identified to be in Hurricane, Utah. The network modification form was transmitted to EPA on May 2, 2012 and was also documented in the annual network review. The site was established and operational on Aug 1, 2012. The Santa Clara site was terminated and the equipment moved to the Hurricane site.</p>

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		5. Maintain the compliance status of air pollution sources in the state.	k. Before 2013, begin to submit AQS data in XML format. STATUS: Per conversations with Richard Payton, this requirement is no longer in place.
			a. By November 15, prepare and submit to EPA for review and approval the compliance monitoring strategy incorporating the provisions of EPA's April 25, 2001 Clean Air Act Stationary Source Compliance Monitoring Strategy. STATUS: The Compliance Monitoring Strategy for FFY 2013 was submitted to USEPA Region VIII on October 30, 2012.
			b. Asbestos notification, certification and outreach programs are continued, and at least 120 on-site inspections are performed. STATUS: Asbestos notification, certification and outreach programs were operated and inspections were performed at 257 sites.
			c. The work program for the AHERA Toxic Substances Compliance Monitoring Grant is continued. The AHERA Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah AHERA Program. STATUS: The AHERA Grant work program was completed and reported in a separate report.
	Reduce Air Toxics	6. Protect public health and the environment through implementation of the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program.	a. The Utah Lead-Based Paint Grant Work Plan approved by EPA Region VIII will be the environmental measure of success for the Utah Lead-Based Paint Certification, Accreditation and Work Practices Program. STATUS: The Utah Lead-Based Paint Grant work program was completed and reported in a separate report.
			b. Support the EPA Strategic Plan goal to reduce the percentage of children with blood lead levels above 5 µg/dl to 1.0 percent or less where the baseline is 3.0 percent in the 2005–2008 sampling period. STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to eliminate childhood lead poisoning by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Paint Pre-Renovation Education rule requirements.
			c. Support the EPA Strategic Plan goal to, by 2014, reduce the percent difference in the geometric mean blood lead level in

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			<p>low-income children 1-5 years old as compared to the geometric mean for non-low-income children 1-5 years old where the baseline is 23.4 percent difference in the 2005–2008 sampling period.</p> <p>STATUS: The Utah Lead-Based Paint Program supported the EPA Strategic Plan goal to reduce the childhood geometric mean blood level by certifying individuals and firms conducting regulated work activities, performing inspections at structures where regulated abatement work activities were being performed, and performing inspections at renovation firms subject to the Lead-Based Paint Pre-Renovation Education rule requirements.</p>
Reduce Criteria Pollutants and Regional Haze	Reduce Criteria Pollutants and Regional Haze	7. Implement the Operating Permits Program meeting the current requirements of Title V, CAAA 1990, and the Utah Air Conservation Act.	<p>a. An Operating Permits Program is continued as described in program approval from EPA.</p> <p>STATUS: The Operating Permits Program has been implemented as outlined in the program approval from EPA. The Title V Permits have been issued as expeditiously as possible.</p>
			<p>b. The provisions of the Acid Rain Act and 40 CFR Part 72 and Part 76 are implemented.</p> <p>STATUS: The implementation of 40 CFR Parts 72 & 76, and the Acid Rain Act are ongoing.</p>
		8. Continue issuing approval orders for new sources and modifications of the existing approval orders.	<p>a. Air quality modeling is completed to ensure the protection of the NAAQS and PSD increment ceilings in Class I and Class II areas.</p> <p>STATUS: Air quality modeling was completed for major and minor source applications according to R307-410-3.</p>
			<p>b. BACT/LAER determinations are either entered into the RACT/BACT/LAER Clearinghouse or the information is provided to EPA so they can enter the data.</p> <p>STATUS: This is an ongoing process that is performed continually.</p>
		9. Quality Assurance programs are reviewed for effectiveness.	<p>a. Statistical quality standards are met for the collection of ambient air data and emissions inventories prepared by the State.</p> <p>STATUS: Ongoing – All statistics were collected for site inspections, monitoring, inventory, etc. following the existing QA protocols.</p>
			<p>b. Rules, regulations, procedures, policies, and protocols are complied with.</p> <p>STATUS: UDAQ complies with all rules, regulations, procedures, policies and protocols.</p>

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			c. Regulatory activities are documented, including the appropriate technical support. STATUS: All commitments were met or exceeded. Data to verify that commitments were met is in AIRS.
			d. The State and EPA agree on the adequacy of air program results. STATUS: UDAQ and EPA Region VIII confer regularly on the results of the air program implementation.
		10. Maintain the small business environmental assistance program (SBEAP) to actively assist small businesses to comply with rules of the Board.	a. Educational Assistance is offered to all small businesses affected by adopted NSPS and MACT standards. STATUS: All business sectors are aided. Resources are provided including the mailing of 130 compliance assistance calendars sent to all dry cleaners to help them comply with the NESHAP requirements.
			b. As appropriate, the Small Business Compliance Advisory Panel's role is modified to increase the effectiveness of the SBEAP. STATUS: Ongoing. The SBEAP continues to work to challenge the panel to be involved.
			c. On-site assistance is provided when requested. STATUS: Assistance is provided to businesses when needed.
			d. The small business work plan for the Small Business Compliance Advisory Panel is modified as appropriate to better meet assistance needs. STATUS: The work plan is modified at each panel meeting.
			e. Assistance tracking is modified as appropriate to better provide and measure assistance needs. STATUS: The SBEAP is reviewing assistance provided and reviewing business needs to provide better quality assistance to the regulated community.
		11. Continue to implement R307-204, Smoke Management, the Utah Smoke Management Plan (SMP), and MOU to mitigate smoke impacts from managed natural fires and prescribed fire on visibility, public nuisance, and the health-based NAAQS.	a. Necessary burn approval and denial decisions made by the Smoke Program Coordinator and Executive Secretary are coordinated with partner agencies. STATUS: UDAQ coordinated 77 large burn projects by federal land management agencies.
			b. The rules and SIP are revised as needed to implement revisions to the FLM burn policies and practices, particularly regarding Use of Wildland Fire issues. STATUS: UDAQ gave comments to the FLMS on FLM-proposed revisions the rules, and is waiting for a response from the FLMS.

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		12. Work with EPA to obtain federal actions on the backlog of State submittals.	<p>a. Appropriate assistance is provided to EPA staff responsible for completing federal action on each submittal to facilitate final EPA action on each.</p> <p><i>STATUS: EPA is not working on the backlog of actions unless they are the subject of legal action, and has asked the states to avoid submitting any rules that are not suit- or deadline-related. In those cases that they are working on, regular support is provided to EPA staff assigned to this project, including retrieving documents from Archives and sending copies of materials to EPA.</i></p>
		13. Implement designated facility plans, NSPS, NESHAPS, MACTs, CTGs and RACT.	<p>a. MACT Standards that apply to sources in Utah are adopted through rulemaking and implemented through the Operating Permit process as they are developed and promulgated by EPA.</p> <p><i>STATUS: Additional MACT standards were adopted into the Utah Air Rules (R307-214-2) during 2012. MACT requirements are included in Title V permits as they are promulgated by EPA.</i></p> <p>b. NSPS standards that apply to sources in Utah are adopted through rulemaking and implemented through the permit process as they are developed and promulgated by EPA.</p> <p><i>STATUS: New and revised MACT and NSPS standards continue to be adopted in Utah and implemented through the permit process.</i></p> <p>c. Rules implementing specific source RACT are developed and implemented as appropriate.</p> <p><i>STATUS: New and revised RACT requirements are implemented through the permit process as appropriate. Additionally, as the PM2.5 SIP is being developed, the State has developed more than 20 new RACT rules.</i></p> <p>d. RACT determinations included in the Ozone Maintenance Plan and PM10 SIP are reviewed and updated as appropriate.</p> <p><i>STATUS: The RACT requirements were last reviewed as the 8-Hour Ozone Plan was developed, during which RACT requirements for Hill were clarified, improved, and tied to the federal requirements such as MACT, etc. All other RACT determinations in the ozone plan were reviewed and retained or strengthened. That maintenance plan was submitted to EPA for review and comment, but no federal action has been taken on the plan. RACT requirements in the PM10 SIP are currently being reviewed and updated as part of the PM2.5 SIP development.</i></p>

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			e. UDAQ staff participates in EPA regional meetings and conference calls which will focus on sharing information and building state capacity to identify, characterize and address air toxics risks in Utah communities based on available resources STATUS: DAQ staff have attend conferences and workshops and participated in EPA regional meetings and conference calls to help identify, characterize and address air toxics in Utah communities as funding permits.
			f. The work to conduct community outreach and analysis concerning air toxics issues is completed based on UDAQ needs and available resources. STATUS: Community outreach and air toxics analysis was performed based on community needs.
		14. Continue to submit monitoring data to EPA as required by EPA.	a. Quality assured ambient air pollution data is submitted to AIRS no later than 90 days after each calendar quarter. STATUS: Quality assured ambient data were submitted to EPA's AQS within 90 days after each quarter.
			b. Data precision and accuracy assessments are submitted to AIRS no later than 90 days after each calendar quarter. STATUS: Quality-assured P&A data were submitted within 90 days following each quarter.
			c. The database is monitored on an ongoing basis for accuracy and completeness. STATUS: The data base was monitored continuously for accuracy and completeness.
			d. Data summary reports are printed for regulatory and public use as appropriate. STATUS: Data summary reports were prepared and printed for Board, regulatory and public use.
		15. Respond to questions from the public regarding air quality issues.	a. Ambient air quality data is provided to the AirNow Program. STATUS: Ambient Air quality data was provided to the AirNow program.
		16. Work with other state / federal / local agencies to reduce diesel emissions in Utah.	a. Complete the school bus retrofit project. STATUS: Utah school bus retrofit was completed on March 31, 2012. The Utah Clean School Bus project retrofitted a total of 1,225 school buses throughout the state.
			b. Implement the currently funded school bus replacement program and agriculture equipment replacement and re-power program and the installation of APUs for long-haul and agriculture-related trucking, and apply for additional funding through DERA. STATUS: The Utah school bus replacement program

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			<i>helped purchase 27 new school buses. This replacement program was completed on March 31, 2011. The agriculture retrofit project was completed on September 30, 2010. This project provided partial funding to repower 22 engines, replace 9 tractors, and install 32 APUs.</i>
		17. Continue participation in the Three-State Pilot Study with two major tasks:	<p>a. Initiate and continue to operate the Price ozone/meteorological site with a goal of collecting 3 years of Federal regulatory data using existing EPA funds and anticipated Federal Land Manager funds in FY11/12; STATUS: The Price monitor has completed its second year of data collection with the quality controlled data being submitted to the EPA AIRS data system. The real-time data is published to the UDAQ web site for public use.</p> <p>b. Provide staff and other support to the Three-State data warehouse and modeling efforts as the project design matures and funding allows. STATUS: A UDAQ staff person is dedicated to assist the 3-State Project Manager in the development of emissions inventories and other data needed to complete the project. Staff participates on the 3-State Project steering committee.</p>

DIVISION OF DRINKING WATER

Implementation

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
<u>Strategic Target SDW-211:</u> Percent of the population served by community water systems (CWS) that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection.	FY12 National/Regional Target = 91% UDEQ commits to the measures at the regional FY12 targets of the national measures. UDEQ will maintain its data in the national database, SDWIS-FED. This includes timely data entry, quality assurance, and data validation.	To meet or exceed the target measure of 91% and to upload accurate and timely data to SDWIS-Fed.	91% achieved Annual enforcement review reveals improvement in violation timeliness and accuracy. Inventory, violation, and enforcement data is uploaded to SDWIS-Fed within 45 days after the end of each quarter. STATUS: Achieved 93.1%
<u>Strategic Target SDW-SP1.N11:</u> Percent of CWS that meets all applicable health-based standards, through approaches that include effective treatment and source water protection.	FY12 National/Regional Target = 90% UDEQ commits to the measures at the regional FY12 targets of the national measures.	To meet or exceed the target measure of 90%.	90% achieved STATUS: Achieved 88.6%
<u>Strategic Target SDW-SP2:</u> Percent of "person months" (i.e., all persons served by CWS times 12 months) during which CWS provide drinking water that meets all applicable health-based drinking water standards.	FY12 National/Regional Target = 95% UDEQ commits to the measures at the regional FY12 targets of the national measures.	To meet or exceed the target measure of 95%.	95% achieved STATUS: Achieved 99.1%
<u>SDW-1a:</u> Percent of CWS that have undergone a sanitary survey within the past three years (five years for outstanding performers) as required under the Interim enhanced and Long-Term 1 Surface Water Treatment Rules.	FY12 Target for Delegated States = 90% UDEQ commits to the measures at the regional FY12 targets of the national measures.	To meet or exceed the target measure of 90%.	90% achieved STATUS: Achieved 100%
Arsenic, Lead and Copper	UDEQ will provide special interest arsenic and lead and copper information as periodically requested by the region on behalf of Headquarters. UDEQ will work to ensure that it is fully implementing the Lead and Copper Rule and the Arsenic Rule by providing Region 8 with semi-annual reports on the status of systems in Utah related to these two rules.	UDEQ will provide EPA with arsenic and lead/copper implementation and/or enforcement information as necessary.	UDEQ has increased management oversight of the rule manager. Requested information provided STATUS: Rule manager has been changed. Time needed for new rule manager to effect change.

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Sanitary Surveys	UDEQ commits to providing the Subpart H System Sanitary Survey Annual Evaluations to Region 8 Drinking Water Program by February 15, 2012 for the prior year. UDEQ will provide EPA with an annual evaluation of its program conducting these Sanitary Surveys. (40 CFR 142.15(c)(5))	UDEQ will submit to EPA an evaluation of sanitary surveys conducted at Subpart H systems by 02/15/12.	STATUS: Evaluation submitted by 2/15/2012.
Data management system capable of supporting its day-to-day activities and fulfilling federal reporting requirements.	<p>UDEQ must make plans to convert to the Exchange Network data flow by the end of CY2012. The data flow is available at: http://www.exchangenetwork.net/exchanges/SDWIS_flow%20implementation.pdf</p> <p>Milestones commitments may be appropriate i.e.:</p> <ul style="list-style-type: none"> • Commit to begin submitting information to SDWIS in XML format using either an Exchange Network Node or a Node Client by the end of CY2012; • Eliminate the legacy data reporting mechanism through the CDX Web application; • Identify a date for terminating use of the legacy method for reporting data to SDWIS; and <p>Establish that reporting SDWIS data using the Exchange Network (i.e., operations/ maintenance) is an eligible activity for funding under categorical program grants.</p>	UDEQ transfers data in XML format directly to CDX, bypassing the State node. UDEQ has had technical issues with the State node and their IT department. Access to the exchange network has proven to be difficult to obtain for EPA staff.	STATUS: Data reported.
States are scheduled for data verification audits about every three years.	States slated to have a data verification (DV) audit in FY12 have not been identified. Selected States agree to cooperate with the DV process. Any outstanding issues from the last data verification will be addressed.	UDEQ will cooperate with the DV process if selected.	Cooperation with DV process.

Enforcement

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 5.1 Enforcing Environmental Law (Filter/GUI)	<p>UDEQ provides to EPA by 11/15/11:</p> <p>a) a list of all systems that are required to filter under the SWTR, but are not yet filtering. Additionally, report those violations to SDWIS-Fed. For those still on compliance schedules, provide the schedule from the enforcement document. If any systems are not under compliance schedules, for each system provide a rationale and the proposed state action and time frame for securing an enforceable compliance schedule.</p> <p>b) a description of any additional actions and the time frames for completing assessments of groundwater under the influence of surface water (GUI), and the systems for which such assessments need to be completed.</p>	<p>Maintain an accurate list of unfiltered SW/GUI PWSs and a schedule for compliance or and of actions, with timeframes, required for completion or initial GUI assessments.</p> <p>Provide a report to EPA by 11/15/11.</p> <p>Upload all failure to filter violations to SDWIS.</p>	<p>Accuracy of list of SW/GUI unfiltered systems.</p> <p>Completion of GUI assessments.</p> <p>Report provided to EPA by 11/15/11.</p> <p>All current failure to filter violations uploaded to SDWIS by the end of FY2012 and future violations uploaded when they occur.</p> <p>STATUS: Timeliness of submittals can and will be improved.</p>
Goal 5.1 Enforcing Environmental Law (ETT)	<p>a) UDEQ annotates the quarterly ETT list created by the ERP and returns a complete annotated list to EPA within 30 days of receipt. The annotations include the State actions planned for each identified priority ETT system, the projected time frame for such actions, and other relevant information that helps EPA evaluate candidates for federal enforcement.</p> <p>b) UDEQ addresses all priority ETT systems through formal enforcement or appropriate return to compliance within 6 months of their being identified as priorities, with the goal of taking action before systems reach priority status. EPA will take federal enforcement, action, as resources allow, if UDEQ does not plan to timely address a priority water system appearing on an ETT list, if UDEQ does not meet its previous commitments to take an enforcement action, or for cases in which PWSs would have been a priority ETT's system if all violations had been uploaded to SDWIS-Fed.</p>	<p>Timely annotate the quarterly ETT list for priority systems.</p> <p>Timely address all priority ETT systems.</p>	<p>Annotations are complete and timely.</p> <p>STATUS: Completed</p> <p>Priority ETT systems addressed within 6 months of identification.</p> <p>STATUS: Completed</p>
Goal 5.1 Enforcing Environmental Law (Data Improvement)	UDEQ will provide updates to its Data Improvement Plan for actions to be taken in FY2012 to address data deficiencies identified by EPA, including specific tasks and timeframes for achievement. DEQ reports the status and progress to EPA semi-annually and EPA will track UDEQ's progress in implementing the plan.	Continue to improve data quality	<p>Report planned and completed activities to DEQ Division Director and EPA on January 15, 2012 and July 15, 2012. (see State section item 8)</p> <p>STATUS: Delayed due to the delay in the upgrade to SDWIS 3.0 and the stability of the IT environment since the upgrade.</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 5.1 Enforcing Environmental Law (Oversight)	UDEQ tracks the compliance of systems that are under UDEQ enforcement and escalates enforcement when a PWS violates an existing formal enforcement action.	Track compliance of system under UDEQ formal enforcement and take action if a PWS violates its terms.	New staff position filled to track compliance with enforcement actions. STATUS: Completed
	UDEQ continues to provide access to State PWS files & data for EPA's on-site enforcement review.	Allow EPA access to UDEQ PWS files and data.	Continue to provide data access to EPA for review. STATUS: Ongoing
	UDEQ agrees that EPA will use the Uniform Enforcement Oversight System (UEOS) for evaluating the State's enforcement performance.	UEOS evaluation by EPA accepted.	Continue to provide EPA with data necessary to complete the UEOS. STATUS: Ongoing
Goal 5.1 Enforcing Environmental Law (New rules)	Region 8 does not foresee any new rules for which states do not have primacy in FY2012, which may necessitate federal enforcement actions. However, if the situation exists in which a state does not have primary enforcement authority for any rule, UDEQ will cooperate with EPA in identifying water systems and violations for which EPA may need to issue enforcement actions.	If there are violations of any rule that UDEQ does not have primacy for UDEQ will share information regarding these violations with EPA.	STATUS: N/A this FY

State FY 2012 Goals

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 2: Protecting America's Waters – Protect Human Health. Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreational waters, including protecting source waters.	Water Safe to Drink	<u>I. ENVIRONMENT</u> 1. The Construction Assistance Section shall complete and turn in the Needs Survey to EPA. STATUS: Completed	a. By July 14, 2011, staff will have 1/3 (16 minimum) of the surveys reviewed, edited and submitted to CADMUS.
			b. By September 15, 2011, 2/3 (33 minimum) of the surveys will be reviewed, edited and submitted to CADMUS.
			c. By November 15, 2011, all surveys will be complete and submitted to CADMUS.
			d. By December 23, 2011, DDW will respond to Cadmus' questions regarding the submitted surveys and provide the additional information requested based on their review.
		2. The Division will explore and formalize the interpretation of the public water system definition. STATUS: Needs to be moved forward.	a. The Engineering and Rules Sections shall form a Task Force for this issue by July 31, 2011.
			b. The Task Force will address the nuances of the public water system definition, specifically the following: when is a master meter connection just a connection versus a wholesale source to a separate water system; is a PWS determined by visitation or system capacity?
			c. The Task Force shall provide a preliminary report to the Drinking Water Board by January 15, 2012.
		<u>II. CUSTOMER SERVICE</u> 3. The Rules Section shall facilitate the upgrade to SDWIS 3.01. STATUS: Completed	a. By August 1, 2011, Division staff will have completed testing SARA 3 and provided input of issues to the Rules Section.
			b. By September 1, 2011, Rachael Cassady will provide a list of things not working in the SARA 3 to the Division of Technology Services.
			c. By November 1, 2011, DTS will have fixed any identifies issues.
			d. SDWIS upgrade will be dependent upon the timing of EPA's upgrade of the ESS system, within 30 days of the release of the upgraded ESS, Rules Section staff will test and plan for the upgrade.
			e. Within 45 days of the release of the ESS software module, the upgrade will be completed.
		4. The Field Services Section will improve emergency response communication capabilities. STATUS: In process	a. By July 31, 2011 investigate the cost of replacing the 150 MHZ hand held radios.
			b. By August 31, 2011, complete the training of staff on the use of the two way radios.
			c. By January 31, 2012 have the new replacement radios purchased and in use.
		5. The Field Services Section will implement postcard renewal notices for Operator Certification. STATUS: Completed	a. By August 1, 2011, develop information needed to go on postcard.
			b. By August 31, 2012, formulate the process and purchase the postcards for the 2011 renewals.
			c. By September 15, 2011, have post cards ready to use for the 2012 renewals.

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		<u>III. PARTNERSHIP WITH FEDERAL, STATE, LOCAL & TRIBAL GOVERNMENTS</u> 6. The Rules Section will take the lead in updating and revising the Improvement Priority System Rule R309-400. <i>STATUS: In process. Needs to be carried forward.</i>	a. The IPS Rule manager will review the 2011 Electronic Sanitary Survey question set to insure that all physical deficiencies listed in the 2011 ESS question set are addressed in the IPS Rule. This will be accomplished by July 15, 2011. b. Groundwater Rule deficiencies will be incorporated into the draft rule update by July 15, 2011 c. The draft IPS rule update document will be distributed to the Division Section and Rule Managers for input by July 15, 2011. d. The IPS Rule manager will facilitate a meeting with Division Section and Rule Managers to discuss any additional changes, such as, changes to the existing point structure, a probation period once a system is rated not approved drops below the established point thresholds, and what is the appropriate compliance history to determine the rating of a newly re-activated system by August 31, 2011. e. Final draft IPS rule revisions will be submitted to the rule adoption coordinator for rule adoption by October 31, 2011
		7. The Rules Section will facilitate the creation of a public facing website to enable access to our partners (LHDs, RWAU, laboratories, water systems) to standard water system reports, electronic transfer of data and to facilitate more timely and efficient interaction of all partners with DDW. <i>STATUS: Phase 1 complete. Need to carry forward with Phase 2.</i>	a. Establish web access to a predetermined list of standard reports (listed below) from the SARA database by October 31, 2011 i. Monitoring Schedule ii. Inventory iii. Improvement Priority Report (IPS) iv. Annual Bacteriologic sample summary v. Drinking Water Operator CEU reports b. Explore deployment of Drinking Water Watch for SDWIS version 3.01 and evaluate whether to use this tool for CCR data reports or to establish another standard report from the SARA database by November 30, 2011. c. Deploy the SDWIS Lab-to-State software on the public facing website and provide training to our laboratory partners by October 31, 2011 d. Explore and develop query tool for laboratory use in obtaining monitoring requirements on the public facing website. e. Facilitate the completion of a web-based Total Coliform tracking software (initial programming completed by the Dept of Health staff), beta testing and placement on the public-facing website by February 28, 2012. f. Provide training on the public facing website at the RWAU conference in 2012.
		8. The Rules Section will work cooperatively with EPA Region VIII on the development of an "Implementation and Data Quality Improvement Plan" which prioritizes issues affecting public health.	a. SDWIS on-site training will be held in July 2011 for SDWIS 3.01. b. By September 15, 2011 each Rule Manager will provide an evaluation of databases changes needed to fully implement their respective rule in SDWIS 3.01. c. By December 1, 2011, SDWIS database will be upgraded to version 3.01. d. Between the date of the SDWIS upgrade through June 30, 2011, staff will implement the changes in SDWIS 3.01. e. Progress reports will be provided to the Division director and EPA on January 15, 2012 and July 15, 2012.

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		<p>STATUS: In process. Needs to be carried forward and re-worked with input from Region VIII</p>	
		<p>9. The Director and the Engineering Section will investigate the possibility of partnering with the Division of Water Rights regarding the water rights issues associated with drinking water systems or sources.</p> <p>STATUS: No follow through with b. This Goal needs to carry forward.</p>	<p>a. Initiate the dialogue with Division of Water Rights management by October 31, 2011, to discuss the water right issues associated with drinking water systems and identify possible tasks that can be accomplished by inter-agency cooperation.</p> <p>STATUS: Ongoing</p> <p>b. Explore the possibility of entering into a memorandum of agreement covering inter-agency cooperation between the two divisions by December 31, 2011.</p> <p>c. Explore the possibility of obtaining assistance from Division of Water Rights in clarifying or revising "valid water rights" language in R309-515 by December 31, 2011.</p> <p>d. Investigate whether any other agencies need to be involved in order to cooperatively resolve the water rights issues associated with drinking water systems or sources by December 31, 2011.</p>
		<p><u>IV. INFORMATION TECHNOLOGY</u></p> <p>10. The Division Data Management Committee will investigate using data in CASPER to populate source protection status and exception reports into SARA and the IPS Report, after SARA 3 is adopted for full time use by the Division.</p> <p>STATUS: Not done. This Goal needs to be moved forward.</p>	<p>a. CASPER and SARA are incompatible with each other, therefore the first step will be to address how data from CASPER can be made readable by SARA. This step will be implemented within three months of the completion of measure</p> <p>b. Once data regarding source protection and exceptions is formatted so SARA can accept it, exception and source protection status will be added to the IPS report. This step will be completed within three months of the completion of measure.</p> <p>STATUS: Options need to be explored and investigated.</p>
		<p>11. The Field Services Section will implement on-line Operator Certification Exams.</p> <p>STATUS: Completed</p>	<p>a. By June 1, 2011 hold an Operator Certification Commission meeting to decide options to implement.</p> <p>b. By September 30, 2011 implement recommendations from the June 1 Commission meeting.</p> <p>c. By January 31, 2012 pilot test the online exam process.</p> <p>d. By May 31, 2012 have online exams available around the State.</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
		12. The Field Services Section will implement color coding on the Division's web page. STATUS: Completed. IT/DEQ color restrictions Move to CORE	a. By September 15, 2011 meet with the Division's web developer and discuss how color coding would fit into the standards set by the department. b. By October 15, 2011 make changes to website as needed.
		13. The Administrative Services Section will maintain and enhance the Division's GIS capabilities related to source protection	a. Staff will work with the AGRC and/or the UGS to develop a GIS based tool for evaluating trends in contaminate-constituent levels. The primary focus is nitrate, but the tools should be able to represent any constituent of interest. It is expected that this will be a multi-year project. STATUS: Ongoing. Phase One, the mapping tool, is completed. Phase Two is underway. DDW is using that tool to identify and implement change practices that will improve drinking water quality.
			b. Staff will establish and maintain contact with other state agencies and facilitate exchange of GIS data. This will include, at a minimum, providing information on use of the STATE Interactive Map, and should also include working with the AGRC to make DDW data available through the AGRC web site, but only to other state agencies. It is expected that this will be an on-going effort. STATUS: Ongoing CORE
			c. Staff will make a presentation to the DEQ Quality Council to educate other divisions on source protection concerns, to establish appropriate contacts in other divisions, and to make our data available to the other divisions according to their permitting actions and their GIS capabilities. The presentation will be a one-time event, while contact with other divisions will be on-going. STATUS: Completed. Irrigation zone and Asbestos source maps also digitized.

DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION CERCLA BRANCH

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure and Status
<p>Goal 3: Cleaning Up Communities and Advancing Sustainable Development</p> <p>Objectives 3.1 and 3.3 Promote Sustainable and Livable Communities; Restore Land</p>	Clean up Contaminated Land	I. Maintain a partnership between Utah and EPA while implementing the Superfund program in Utah.	<p>a. Participate in the Region 8 State Superfund managers conferences, when conducted. STATUS: DERR participated in the Region 8 Superfund managers meeting held in December 2011. This was the only Superfund managers meeting held during the fiscal year.</p>
			<p>b. Encourage and participate in regular coordination meetings with Region 8 remedial program managers, at least every 2 months, to coordinate activities and discuss pertinent issues. STATUS: DERR and EPA Superfund managers generally held coordination calls on the third Wednesday of each month to discuss program and site specific issues.</p>
			<p>c. Participate in monthly conference calls between directors of the State and EPA programs to coordinate activities and discuss pertinent issues. STATUS: Monthly calls between program directors were not held on a regular basis, but were held as needed.</p>
			<p>d. Jointly organize and attend the annual retreat between EPA and the State, when conducted. STATUS: No retreat was conducted during Federal Fiscal Year 2012.</p>
		II. Continue to evaluate the groundwater solvent contamination problem in the Salt Lake City area and discuss potential solutions to the problems that are identified.	<p>a. Continue to gather information on known groundwater solvent contamination problems in Utah and update site files as needed. STATUS: This is done using the CERCLIS database managed by EPA. In addition, the DERR and EPA Site Assessment managers coordinated with each other throughout the year, as necessary, to review the status of such sites.</p>
			<p>b. Identify the best ways to address the problems that are identified. STATUS: Solutions are identified on a site-by-site basis and in consultation between DERR and EPA Region 8 staff.</p>
		III. Apply the Operating Principles in all work activities.	<p>a. Discuss the Operating Principles frequently during coordination meetings. STATUS: The Operating Principles were addressed during DERR/EPA coordination meetings in the context of project planning and implementation.</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure and Status
		IV. Coordinate proposal of Utah sites to the NPL.	b. Ensure all communications are consistent with the Operating Principles. STATUS: DERR regularly conducted all communications consistent with the Operating Principles.
			a. Regularly discuss the status of sites that are under consideration for inclusion on the NPL. STATUS: DERR and EPA Region 8 staff regularly communicated and coordinated on sites in the Superfund process being considered for inclusion on the NPL.
			b. Evaluate potential NPL sites during coordination meetings. STATUS: Site-specific discussions were held, as needed, as DERR and EPA coordinated NPL pre-listing activities.
			c. Ensure thorough and comprehensive communication between the agencies for all sites that are under consideration for inclusion on the NPL. STATUS: Communications regarding activities for sites under consideration for NPL listing were often thorough and comprehensive. This was especially true for the 1600 East 700 South PCE Plume site, which was proposed for the NPL in September 2012.
	Assess and Cleanup Brownfields; Clean up Contaminated Land	V. Encourage redevelopment of Superfund and Brownfields sites in Utah.	a. Encourage communities in Utah to participate in the Brownfields program, conduct Targeted Brownfields Assessments as requested by interested and eligible communities, provide technical assistance to public and private stakeholders relative to Brownfields redevelopment, and maintain a complete public record of Brownfields/VCP sites with easy access to information. STATUS: DERR conducted outreach activities directly to local governments in order to inform them of resources and services available to assist with Brownfields assessment, cleanup and redevelopment. Outreach was completed in part through the semi-annual DERR Brownfields newsletter, preparations for two workshops, and presentations to the Vernal Area Chamber of Commerce and communities at the League of Cities and Towns Annual Conference. Outreach efforts helped secure assessments in Manti and Santaquin, which are on-going. The DERR also provided letters of support for proposals submitted from various applicants for Assessment, Revolving Loan Fund and Cleanup grants.
			b. Participate in quarterly Region 8 Brownfields Team teleconferences and meetings, and attend the National and Western Regional Brownfields Conferences, as budgets allow.

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure and Status
			<p><i>STATUS: DERR participated in quarterly Region 8 Brownfields Team teleconferences and meetings. Neither conference was offered in Federal Fiscal Year 2012.</i></p>
			<p>c. Issue Enforceable Written Assurances to qualified applicants. <i>STATUS: Enforceable Written Assurances continue to be issued to facilitate redevelopment of Brownfields in Utah. All activities were consistent with the State and Tribal Response Program Workplan and documented in semi-annual reports.</i></p>
	Cleanup Contaminated Land	VI. Enhance the Utah superfund Program, improve the State's and EPA's ability to conduct Superfund activities in Utah, and complete the EPA required accomplishments for FY2011.	<p>a. Prepare and submit funding applications and subsequent cooperative agreements for enhancement of the State Response Program. <i>STATUS: DERR continued to receive funding under the Superfund Block Cooperative Agreement for Management Assistance, Superfund Core, and Site Assessment activities. Cooperative agreement applications for State-lead Superfund projects were submitted, as needed, to support site-specific activities. DERR also submitted a request in 2012 for State and Tribal Response Program 128(a) funding through September 2013. Required reports were submitted to EPA for cooperative agreement funding.</i></p>
			<p>b. Continue to develop the Utah Voluntary Cleanup Program and other State Response Programs. <i>STATUS: DERR continued development of the Utah Voluntary Cleanup Program and other components of its State and Tribal Response Program using Section 128(a) funding. All activities were consistent with the State and Tribal Response Program Workplan and documented in semi-annual reports.</i></p>
			<p>c. Jointly develop and work to achieve the FY2012 Superfund Remedial Planned Accomplishments. <i>STATUS: DERR and EPA Region 8 staff worked closely to achieve the planned accomplishments for the federal fiscal year.</i></p>

DIVISION OF RADIATION CONTROL STATE INDOOR RADON GRANT

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
Goal 1: Improve Air Quality	Reduce Exposure to Indoor Air Pollution	Continue the fundamental activities regarding the EPA Radon Grant.	<p>1. Promote new home construction with radon resistant technology.</p> <p>a. Promote and distribute information about radon resistant building technology to builders throughout the state. Display radon information and distribute discounted test kit coupons at the following exhibitor booths: 2011 Fall Home Show at the South Towne Convention Center and the 2012 Spring Home Builders Annual Conference in Midway, Utah. STATUS: Conferences and Exhibits – The Division of Radiation Control (DRC) educated builders and the public about radon resistant new construction by exhibiting information and distributing test kit coupons at the following public and home building events: (1) 2011 Deseret News Fall Home Show, October 7-9, South Towne Expo Center, Sandy; (2) 2012 EPA Region 8 Stakeholders Meeting, April 12-13, Salt Lake City, and (3) 2012 Utah Home Builders Conference, May 17-18, Midway, Utah.</p> <p>b. Conduct at least three educational training courses entitled, “Radon Resistant New Construction.” The course will offer continuing education core credits by the Utah Department of Commerce, Division of Occupation and Professional Licensing (DOPL) and will be held throughout various areas of the state. STATUS: Training - DRC Instructors conducted 5 continuing educational training courses entitled, “Radon Resistant New Construction (RRNC)” to members of Cache Valley HBA, Park City HBA, Salt Lake HBA, and Utah Valley HBA, with approximately 60 participants total.</p> <p>c. Promote Radon Resistant New Construction by reaching out to Utah home builders through personal contacts, educational courses, advertising, home show exhibits, and the EPA Region 8 Stakeholders Conference to be held in Utah, April 2012. STATUS: DRC hosted the 2012 EAP Region 8 Stakeholders Conference, April 12-13. Approx. 120 people attended. Personal contact was made with Richmond America Homes and Knight Construction Homes.</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>d. Assist Utah Habitat for Humanity in its building projects by providing in-depth RRNC training and funding for building new homes with RRNC techniques and retrofitting older homes with active radon mitigation systems. STATUS: DRC secured funding from EPA to provide radon mitigation training and certification to eleven Habitat for Humanity building contractors. This year, scholarships were awarded to 4 contractors; 2 have completed measurement and mitigation training and 1 has completed measurement training, and 1 has started measurement training.</p>
			<p>e. Recognize and acknowledge home builders who are building RRNC homes in Utah via the DRC website, public events, and/or at Radiation Control Board meetings. STATUS: DRC's Radiation Control Board recognized Knight West Construction, Inc for building RRNC homes in Utah. Approximately 60 builders were recognized as radon educated builders on the DRC website.</p>
			<p>f. Respond to opportunities provided by national radon organizations such as the American Association of Radon Scientists and Technologists (AARST) to attend national radon meetings and submit comments on radon standards (RRNC 2.0). STATUS: DRC coordinator attended the 2011 International/National Radon Conference sponsored by CRCPT and AARST, Oct 16-19 in Orlando, Florida and has provided feedback to AARST regarding new RRNC 2.0 standards.</p>
			<p>2. Support disclosure, testing and mitigation in conjunction with Real Estate transfers.</p>
			<p>a. Conduct at least three educational training courses entitled, "Radon for the Real Estate Professional." The courses will offer continuing education core credits by the Utah Department of Commerce, Division of Real Estate (DRE) and will be held throughout various areas of the state. STATUS: DRC has instructed 6 CE courses entitled, "Radon for the Real Estate Professional." Approx. 120 realtors attended.</p> <p>b. Coordinate annual meetings for radon mitigators, measurement providers, and home inspectors to clarify EPA standards and protocols. STATUS: Many of the radon professionals were involved with</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p><i>the planning of the 2012 EPA Region 8 Stakeholders Conference in Utah, so the annual radon measurement and mitigation providers meeting was cancelled.</i></p>
			<p>3. Develop coalitions with local governments, partner affiliates and other radon risk reduction leaders.</p>
			<p>a. Continue working with Utah's 12 local Health Districts in promoting outreach. Encourage area outreach activities such as disseminating information packets on radon, distributing radon test kit coupons, conducting radon educational presentations, testing radon levels in schools, and attending the EPA Region 8 Stakeholders Conference in April, 2012. STATUS: DRC has worked closely with the 12 Local Health Districts to promote outreach. Personal contact has been made with 11 Environmental Health Directors. Ten health departments attended the 2012 Region 8 EPA Stakeholders Conference.</p>
			<p>b. Continue working with the Huntsman Cancer Institute in raising awareness in the state. Outreach activities will include attending the 2012 University Health Care Be Well Utah Family Health Fair. STATUS: Approx. 1,000 radon brochures were disseminated to the public at the following events: University of Utah Be Well Utah Family Health Fair, Utah County Environmental Health Fair, Huntsman Cancer Awareness Fair, and Varian Medical System Health Fair.</p>
			<p>c. Conduct outreach activities with the Utah Safety Council, the Utah Department of Health, Utah Cancer Action Network (UCAN), CanSar, and the American Lung Association to promote radon awareness, radon testing, and mitigation. STATUS: DRC coordinator is an active member of the Utah Cancer Action Network (UCAN) and co-chair of the Cancer Prevention Committee. Radon news and events are disseminated through this network reaching approx.. 1,000 individuals.</p>
			<p>d. Provide assistance when requested by tribal organizations throughout Utah (specifically, the Piute tribe and the Shoshone tribe). STATUS: No additional information.</p> <p>e. Continue partnership with Intermountain Health Care (IHC) system by supplying hospitals with newborn radon packet</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>information, which started December 2003 (FY04) STATUS: Partnership with Intermountain Health Care System has continued, with approx. 6,000 free new-baby radon test kit coupons being distributed this year to IHC hospitals. This year, 453 requests were received for free test kits.</p> <p>f. Expand newborn radon packets to other area healthcare systems and hospitals including: MountainStar Health Care, IASIS Health Care, and Beaver Valley Hospital. STATUS: An e-memo was sent to Community Hospital Directors in 2011. No additional information available.</p> <p>g. Provide radon education to the public through the 2012 EPA Region 8 Stakeholders Conference, National Radon Poster Contest, National Radon Action Month activities, DRC website, library presentations, press releases, media appearances and advertisements, Governor's Declaration, school science projects, and scouting projects. STATUS: Governor Declaration was issued for January 3-9, 2012 Radon Action Week; media campaign ran from Jan to April, 2012; disseminated six press releases, five TV/radio spot, and hosted the 2012 EPA region 8 Stakeholders Meeting at the Red Lion Hotel, April 12 & 13. Over 120 people participated and presentation were posted on our website: www.radon.utah.gov. DRC promoted the 2013 National Radon Poster Contest from Aug – Oct with 54 entries and over 300 online voters participating.</p> <p>h. Promote state radon legislation as opportunities arise. STATUS: Two education presentations are scheduled for Nov. 2012 with the Health and Human Services Interim Committee and Draper City Council.</p> <p>4. Determine (track) and measure results with respect to awareness levels, testing frequency, mitigation, and radon resistant new construction.</p> <p>a. Continue to track local and national media articles about radon and the health hazard associated with exposure to elevated levels. STATUS: Tracked and posted 29 local and national news articles about radon on DRC's radon website: www.radon.utah.gov</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>b. Continue to track educational opportunities to reach out to the general public, real estate professional, and homebuilders (see measures 1-2). STATUS: Number of people reached through education opportunities was over 1,000,000.</p>
			<p>c. Continue to track phone calls, visits on the DEQ Radon website (www.radon.utah.gov), and email inquiries. STATUS: Number of phone calls received was approx.. 2,600, number of emails was approx.. 520, and number of website hits was 78,676, up from 54,154 last year.</p>
			<p>d. Continue to track and report the number of homes tested for radon by currently listed radon measurement service providers, mitigation providers, and laboratories. STATUS: Number of homes tested was approx. 8,000.</p>
			<p>e. Continue to track and provide annual reports of the number of homes built with RRNC, based on information provided by local home builders. STATUS: Number of homes built with RRNC was approx.. 311.</p>
			<p>f. Continue to track free radon test kit orders that come through the IHC newborn radon packets. STATUS: Number of free radon test kits ordered through IHC program was 453.</p>
			<p>g. Continue to track the number of homes mitigated quarterly by radon mitigation service providers. STATUS: Number of homes mitigated was approx. 990.</p>
			<p>5. Testing and, where necessary, mitigating schools for radon and radon decay progeny.</p>
			<p>a. Educate School District Administrators about the health hazard associated with exposure to radon and promote radon testing in schools. STATUS: Tooele School District was educated about the hazards of radon in its schools.</p>
			<p>b. Provide free radon test kits to school districts for testing, as requested. STATUS: Approx. 50 test kits were provided to schools in Tooele.</p>
			<p>c. Continue assisting Salt Lake County School District with its radon testing program. STATUS: No further information available.</p>

EPA Goal and Objective	EPA Measurement	DEQ Goal	DEQ Measure
			<p>d. Solicit school districts to participate in National sponsored “Radon in Schools” Webinars.</p> <p><i>STATUS: DRC notified all 12 local health districts to pass on information regarding National sponsored “Radon in Schools” Webinars.</i></p>

UTAH'S HAZARDOUS WASTE PROGRAM FY 2012 END-OF-YEAR REPORT

INTRODUCTION

This report presents the results of the Hazardous Waste Program (HWP or Program) as administered by the Utah Department of Environmental Quality (UDEQ). Utah is an authorized state under the Resource Conservation and Recovery Act (RCRA), and the Utah Division of Solid and Hazardous Waste (the Division) within UDEQ is the principal implementer of the program. EPA Region 8 conducts oversight of the program and provides program and technical assistance to the state.

UDEQ and the Region 8 office of the Environmental Protection Agency (EPA) entered into an annual agreement, the Utah Performance Partnership Agreement (PPA), for administration and implementation of its authorized hazardous waste program during FY2012 (October 1, 2011 - September 30, 2012). The PPA includes the annual grant work plan for the hazardous waste program of the Division.

This report has been prepared, as provided in 40 CFR 35.150, as a means to evaluate the State's efforts to fulfill that work plan. The report also serves as the EPA's overall review of the authorized program in Utah, and includes an analysis of the program's progress toward addressing long-term state and national RCRA program goals and objectives.

This report also contains some information on Utah's waste minimization activities relating to the Sustainable Materials Management (SMM). Many of these activities relate to non-hazardous solid waste, and are both voluntary in nature and not part of the state's authorized hazardous waste program. They are discussed here to provide a more complete picture of the state's waste programs. Please note that compliance monitoring and enforcement (CM&E) information has also been entered into RCRAInfo throughout FY2012. A separate report and its findings will be submitted to EPA's Technical Enforcement Program.

This review is based on the Program Standards and Oversight Procedures (PSOP). Under these standards, a state Hazardous Waste Program is evaluated for 18 program criteria organized under three key program areas: Program Management, Safe Waste Management; and Corrective Action. A table summarizing EPA's findings for the program's performance, as measured against the program standards for the 18 program criteria, is included as an attachment.

SUMMARY OF FINDINGS

Utah's FY 2012 PPA included commitments in the areas of Permits, Closure, and Corrective Action. During FY 2012, the Division met the standards for 17 of the 17 program criteria that were considered applicable. The Division continued its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization, particularly with its programs for recycling waste tires and used oil. In the areas of Safe Waste Management and Corrective Action, the Division continued to make progress toward national program goals.

While SMM is not a part of the authorized program, the EOY report highlights important achievements in this area. Region 8 would like to commend UDEQ for its significant accomplishments in waste tire diversion and used oil recycling. We'd also like to recognize Utah for their leadership and dedication to safe electronics recycling through work on drafting state electronic scrap recycling legislation, and continued support of educational outreach to other stakeholders on sustainable materials management.

PROGRAM MANAGEMENT

1. **Adoption of Hazardous Waste Regulations (Criterion 1.1 of the Program Standards and Oversight Procedures (PSOP))**

Utah has adopted all required rules under the RCRA program.

The Division received EPA's comments on Addendum 13 and 14 in June 2011. The Division has completed rule making process and addressing EPA concerns and will be submitting Addendum 13 and 14 for to EPA for approval.

STATUS: The State met the standards for this criterion.

2. **Authorization (PSOP Criterion 1.2)**

According to data in StATS, as of March 31, 2012, Utah is authorized for 96% of the required rules under RCRA, during FY 2012. Once addendum 13 and 14 are approved by EPA, Utah will be current on all required authorized rules.

STATUS: The State met the standards for this criterion.

3. **Memorandum of Agreement (PSOP Criterion 1.3)**

The MOA was most recently recertified in December 2008. Utah and EPA will review the MOA and revise or recertify in FY 2013.

STATUS: The State met the standards for this criterion.

4. **Resource Levels and Skill Mix (PSOP Criterion 1.4)**

For the 2012 state fiscal year (July 1, 2011 to June 30, 2012) the Division expended \$5,213,370 for its solid and hazardous waste programs. The majority of the funding for the hazardous waste program in Utah comes from state funding sources. For state FY 2012, revenues generated by both hazardous and non-hazardous waste disposal fees account for about 41% of the FY 2012 Division budget. Program funding from EPA remained almost unchanged for FY 2012 at \$780,000, representing 15% of the total program budget. The funding and the FTEs were spread across the primary areas of the Solid and Hazardous Waste Program as follows:

Program Area	\$	% of budget	FTE
P2/Compliance Asst.	\$692,878	13%	6
Safe Waste Mgmt	\$1,270,276	24%	11
Corrective Action	\$1,154,796	22%	10
Inspection, Enforcement	\$1,385,755	27%	12
Administration	\$709,665	14%	9
Total	\$5,213,370	100%	48

The Division operates a mature program with experienced staff. The staff includes engineers (civil, chemical, environmental, mechanical), environmental scientists (geologists, chemists, biologists, geo-hydrologists, hydrologists), risk reviewer, GIS specialist, and PhDs, as well as support staff.

Professional staff has a mix of advanced education with bachelors, masters, and doctoral degrees. Five of the engineers are registered professional engineers and thirty of the geologists are registered professional geologists.

STATUS: The State met the standards for this criterion.

5. **State Training Program (PSOP Criterion 1.5)**

In recognition of the high level of experience the Division staff has in the hazardous waste program, each year staff members continue to receive a mix of professional and leadership development training opportunities. During FY 2012, the following list of professional courses and conferences is representative, but not all inclusive, of those attended by the Division staff:

Environmental Crimes
Constructing with Fabricated Geomembranes- Advances and Emerging Trending for Mining
ITRC Meetings
ASTSWMO Meetings
Western States Meetings
ITRC Technology Transfer Workshop
Evaluation of the explosive destruction system

Additionally, the Division continues to provide leadership development training to its staff. This program exists in recognition of the need to prepare future leaders in the various environmental programs. Utah DEQ has developed a leadership development program to meet that need. The following types of courses are part of that ongoing effort:

Getting Work Done With Others – This course focuses on interpersonal communication, presentation, conflict management, problem solving, team building skills, and cultural and diversity awareness.

Adapting to Change – This course focuses on personal learning styles, visioning, assessing potential, implementing change, using creativity, being resilient, handling stress, and empowering others.

Excellence in Supervision – This course is designed to hone people skills, including resource management, leadership, coaching, managing for diversity, and conflict resolution necessary to be an effective leader.

High Conflict Conversations – This course helps participants develop interpersonal communication skills that will help them deal with conflict and difficult communication situations in a constructive manner.

Leadership Development Course – Participants meet monthly to discuss a variety of topics that are relevant to DEQ. The curriculum is designed to apply many of the competencies related to activities within DEQ. Classes consist of a selected representative from EDO and each of the divisions in DEQ and are mentored by a DEQ senior manager. Participants also complete leadership/employee development classes, independent studies, prepare a brown bag presentation, participate in a rotation through DEQ divisions and offices, and complete a group project. Completion of the program takes two years. New classes begin in January of every year. The ninth class of this program began in January 2012.

STATUS: The State met the standards for this criterion.

6. **Information Management (PSOP Criterion 1.6)**

The Division has entered data for the Safe Waste Management, Corrective Action, and Compliance/ Enforcement elements of the program in RCRAInfo in a timely, complete and accurate manner.

All of the data reports that the Region uses to oversee progress in permitting and corrective action as well as the Commitments Report and the Projections and Achievements Report have been published to the Reports module of RCRAInfo. They are available to anyone with access to the database.

STATUS: The State met the standards for this criterion.

7. **Records Management (PSOP Criterion 1.7)**

The Division has used an electronic documents management system for several years. This system has shown, and continues to demonstrate, an increase in the efficiency of handling both incoming and outgoing documents while reducing the amount of paper used. Incoming documents are scanned, creating an electronic version which is then distributed via the Division's email system. Similarly, outgoing documents are created electronically and distributed among the appropriate technical, management, and/or legal staff for review and approval prior to printing and signing.

The Division continued to provide access to key program documents for the appropriate EPA Region 8 staff. Specifically, a password-protected area on the Division web site exists where documents are posted for EPA's exclusive review and use. This allows EPA staff immediate access to these documents at anytime, rather than wait for delivery by traditional mail or e-mail.

STATUS: The State met the standards for this criterion.

SUSTAINABLE MATERIALS MANAGEMENT, WASTE MINIMIZATION, POLLUTION PREVENTION AND COMPLIANCE ASSISTANCE

The Division addresses waste minimization and pollution prevention primarily through a non-regulatory approach with an emphasis on compliance assistance. To bring these kinds of efforts into sharper focus, EPA established the Resource Conservation Challenge (RCC) in 2002 now the Sustainable Materials Management (SMM) to serve as a way in which waste program activities could emphasize conserving natural resources and energy—an overall objective of the federal law which governs federal and, in a general sense, state waste programs. The SMM has four primary national focus areas:

- Municipal Solid Waste Recycling
- Industrial Materials Recycling
- Priority and Toxic Chemicals Reductions
- Electronics Recycling

During FY 2012, the Division participated in SMM initiatives and established specific priorities to target areas where significant accomplishments can be achieved. Significant resources were dedicated to the waste tire and used oil-recycling programs. Additionally, in FY 2012, the Division participated in meetings and activities associated with the development of recommendations for the Utah Legislature's consideration of an electronics recycling program. These three program areas are highlighted below within the Industrial Materials Recycling, Priority and Toxic Chemicals, and Electronics Recycling focus area sections, respectively.

Division employees have participated in EPA Region 8's SMM conference calls and are involved with the subcommittee to develop a draft measurement methodology for Region 8 states.

MSW Recycling

Division employees participated in Third Annual Intermountain Sustainability Summit hosted by Weber State University in March of 2012. The two day summit included topics on sustainability planning and implementation with a concurrent track focused on energy conservation and renewable energy.

Electronics Recycling

The Division reported to the [Natural Resources, Agriculture, and Environment Interim Committee](#) and the [Public Utilities and Technology Interim Committee](#) of the Utah Legislature regarding the disposal of electronic waste. This report is required by Senate Bill 184 which requires electronic manufacturers to submit a yearly report regarding recycling of electronic waste and educational information on recycling being provided to costumers.

Industrial Materials Recycling

A continuing priority for SMM is the recycling of secondary industrial materials into beneficial uses. Nationally, the effort is focused on three principal materials: coal combustion products, foundry sands, and construction and demolition materials. In Utah, the Division has focused its efforts on the recycling of waste tires.

In Utah, over 2.6 million waste tires were generated during FY 2012. Through the combined efforts of the Division, the waste tire recycling industry, and local health departments, there currently are recycling markets for all these tires; due to these efforts, all major waste tire piles in the state have been cleaned up. This has been the result of a successful partnership formed to establish a network of waste tire transporters, processors, and end users.

More specifically, the Division's role in the management of waste tires in Utah consists primarily of two components. First, the Division serves as a regulatory/enforcement agency. The Division monitors waste tire transporters and recyclers to ensure that all are operating in compliance with applicable statutes and regulations. Second, the Division oversees the activities to clean up and remove waste tire piles—those considered abandoned as well as those created at municipal landfills. The waste tire recycling program is funded by a \$1.00 per tire recycling fee collected from new tire sales, as established by the Utah Legislature.

From the inception of the program through FY2012, the Utah waste tire program has removed all abandoned tire piles and is removing, on a periodic basis, waste tire piles created at landfills as the waste tires are separated from the other waste and new piles when they are located.

A successful waste tire recycling program exists when a viable recycling industry is readily available. The Utah program has successfully accomplished this throughout the years of program operation. Four waste tire recyclers are currently operating in Utah:

- Two cement kilns (use waste tires as fuel).
- One crumb rubber manufacturer
- One municipal landfill (uses chipped tires for daily cover material).

During FY2012, the Utah waste tire program has continued to achieve success. The following are the statistics for the waste tire recycling and cleanup programs during the past fiscal year.

Waste Tire Recycling in Utah:

1. Estimated new tires sold: 2,977,000
2. Estimated tires recycled: 2,193,000 (based on a general conversion factor of 60 tires/ton)
3. Waste Tire Recycling: 36,557 tons of tires recycled
 - 16,948 tons used in crumb,
 - 19,609 tons used in recycling, and
 - 0 tons used in beneficial use.

Figure 1

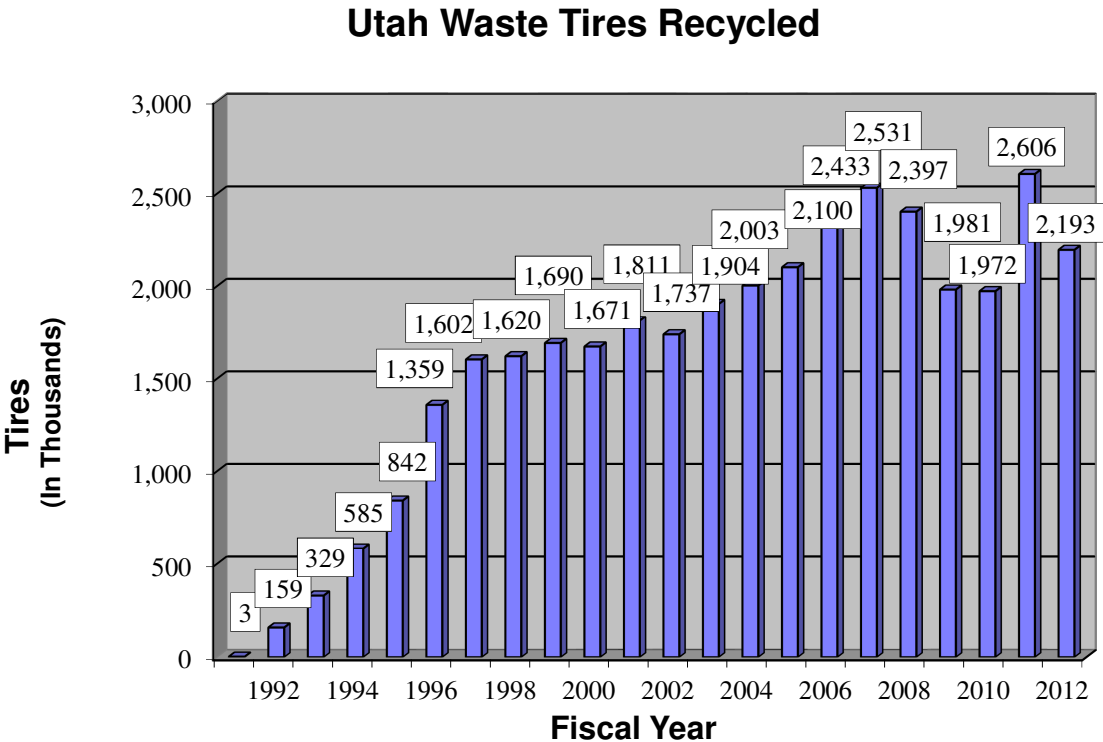
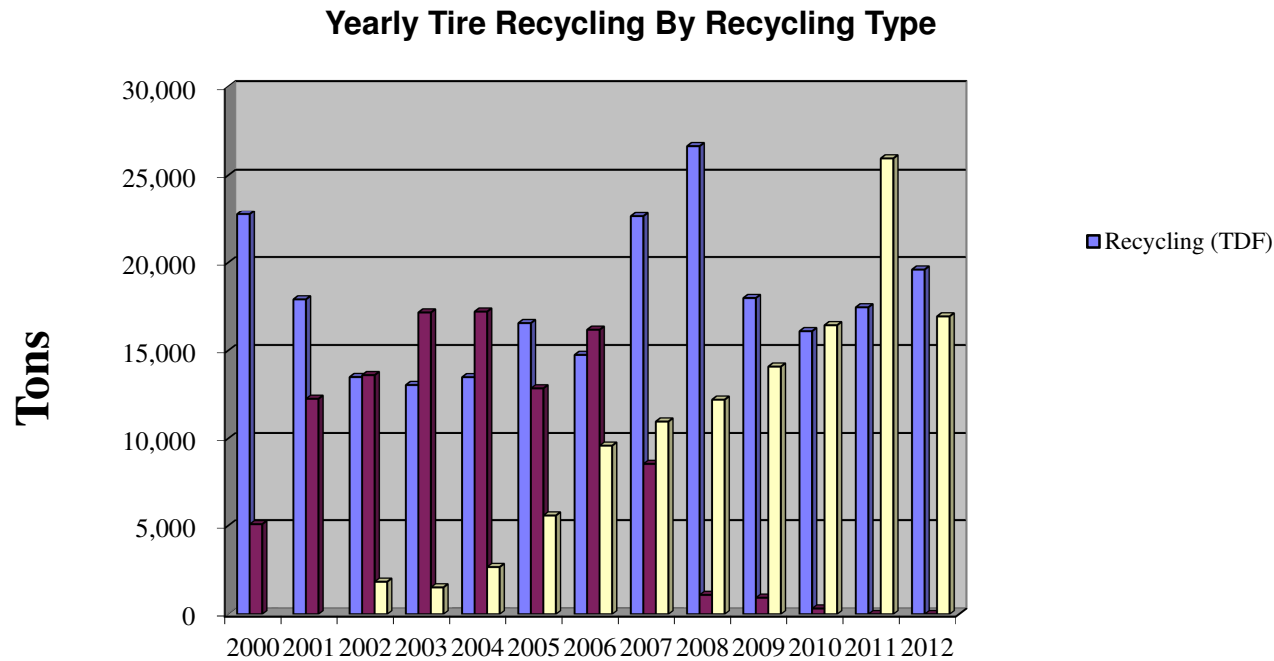


Figure 2



Priority and Toxic Chemicals

During FY 2012, the Division worked on a number of activities designed to minimize the generation or improper disposal of hazardous wastes.

- The Division continued to work with auto salvagers to educate them on the removal of mercury switches for automobiles. As of October 2012, the End of Life Vehicle Solutions Corporation (ELVS) had 146 participants in the Mercury Switch Recovery Program and had collected 52,285 switches, which is equal to 115.03 pounds of mercury.
- Both UDEQ and the Division staff continued to utilize and distribute a Best Management Practices poster for auto recyclers and repair shops as part of ongoing educational outreach efforts.
- The Division provided technical assistance to businesses and the public through fact sheets, newsletters, and electronic media. The Division Web Site and P2 Library were maintained with information regarding waste minimization, source reduction and recycling.

Used Oil Recycling Program

One of Utah's priorities for addressing recyclable materials is the Used Oil Program. UDEQ established this program in 1993, and has had significant success in the collection and recycling of used oil in an environmentally responsible manner. There are two principal elements of the Utah Used Oil Program in Utah: Oil from businesses and the Do-It-Yourself (DIY) program.

Figure 4 shows the total amount of used oil recycled from both elements of the program from 1990 through 2011. The data indicate that the amount of used oil recycled in the subject period ranged from a low of about 7,525,000 in 1994 to the recent program high in 2009 of almost 13,000,000 gallons. In 2011, Utah recycled approximately 12,000,000 gallons.

A closer look at the DIYer element of the program is presented in Figure 5. The data shows a steady growth in the amount of DIYer used oil collected for recycling over a 14-year period, although there has been a slight decrease in the collection amounts for the past five fiscal years. Based on log sheets provided by registered DIYer collection centers to date, approximately 469,561 gallons of DIYer has been recycled in calendar year 2011. As usual, however, the Division is continuing to receive log sheets for fiscal year 2012 so the total number of gallons collected in FY2012 is approximately 513,737 at the time of this report. The downward trend from DIYer collections can be explained by the national decline in DIYer used oil generation and collection due to:

- extended motor oil drain intervals approaching 7,000 to 10,000 miles, versus the old recommended 3,000 miles per oil change;
- advances in motor oil formulations and additives extending the life of motor oils;
- the ever increasing number of conveniently located Do-It-For-Me oil change facilities expanding into rural areas; and
- the recent down turn in the economy.

Figure 4

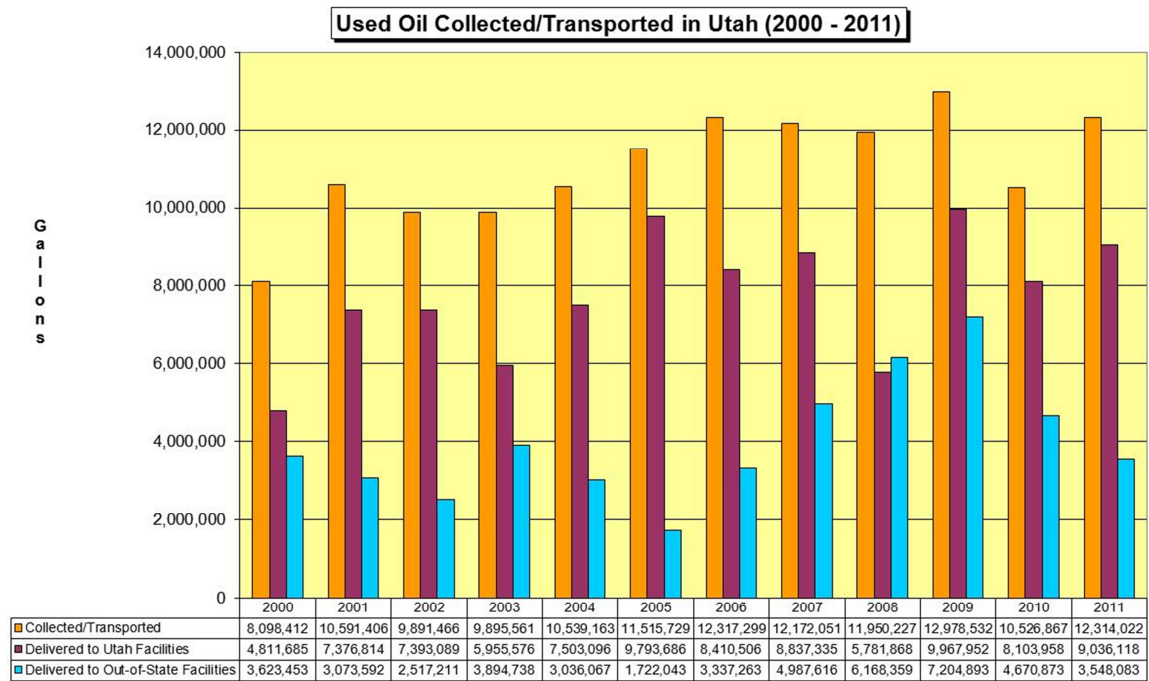
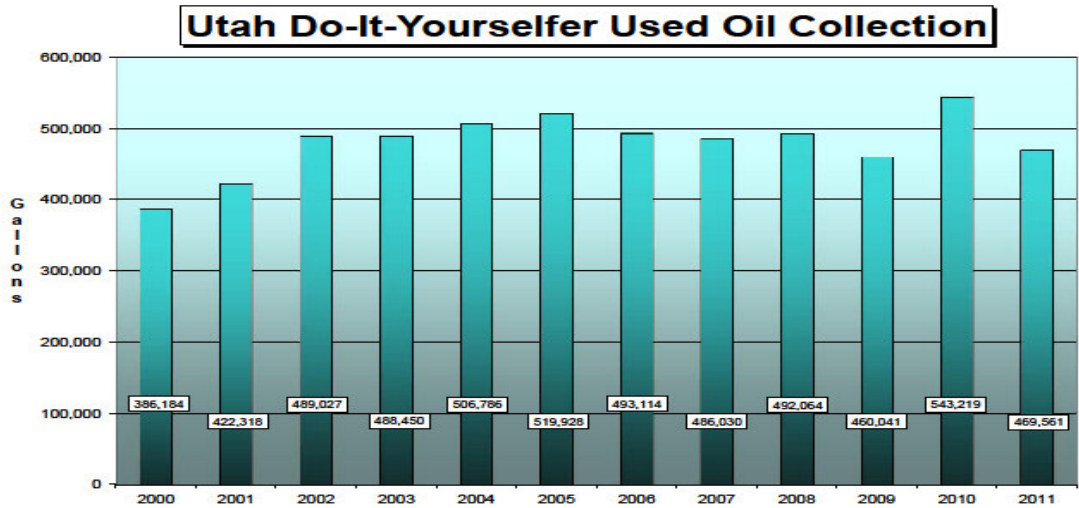


Figure 5



The Used Oil Program continues to develop partnerships with cities and counties throughout the state to coordinate public education activities as a result of the storm water run-off permit regulations. One of the requirements of the storm water permits is to develop and distribute information to the public to educate them about chemicals and products, including used oil that should not be discharged into storm drains. The Division continues to work with these local agencies to incorporate used oil recycling educational material and messages promoting proper used oil recycling, including locations where to take used oil generated by do-it-yourselfers (DIYers) in order to have it collected and recycled at no cost.

Utah has also invested much into education and outreach for the used oil program as described in the following highlights:

1. All charts depicting DIYer used oil (state-wide totals and county totals) and total used oil (DIYer and business) collected in the state since the program began in 1993 under the Division, continue to be updated on the Web to reflect current information. The latest edition of the Used Oil Connection, the used oil program newsletter, is also available on the Web. Annual report information for calendar year 2011 provided by all permitted used oil facilities has been summarized and is available on the Web. The Web site lists each permitted facility in Utah.
2. Used oil recycling information and promotional materials provided by the Division continue to be distributed by numerous local health departments throughout the state. The promotional material is distributed at many local community events such as county fairs, demolition derbies, natural resources fairs, and various Earth Day events. The Used Oil Connection, the Division's used oil recycling newsletter, is distributed to city and county officials, collection centers, local health department officials, state legislators, and other state and federal agencies. The newsletter is also requested by and mailed to environmental program staff from other states that are considering establishing or have an existing DIYer used oil recycling program.
3. Boy Scouts of America Eagle Scout projects are ongoing. A popular project is to coordinate the labeling of garbage containers with stickers related to used-oil recycling as a reminder to keep used oil from being disposed of in private dumpsters.

EPA appreciates Utah's efforts and contribution to state and national sustainable materials management activities, as well as participation on the SMM conference calls which help to communicate relevant and new information, and promote regional (state) program exchange.

SAFE WASTE MANAGEMENT

Utah has a significant number of facilities that manage hazardous waste, and the FY 2012 PPA supports the State's and EPA's goal of safe management of hazardous waste through the use of approved controls (closure plans, permits, operating permits, and other similar types of approved controls). The PPA includes performance measures for progress towards closure of facilities, controls for facilities closing with waste in place, and initial and renewed operating permits for facilities that manage hazardous wastes.

Universe of Treatment, Storage and Disposal Facilities (TSDFs)

As indicated by the data that the Division maintains in the RCRAInfo database and based on the legal and operating status of the hazardous waste management units (HWMUs), Utah has 59 current and past RCRA Treatment Storage and Disposal Facilities (TSDFs). By FY 2012, many of the 59 TSDFs either have been referred to the CERCLA program for remediation or are no longer active because they have closed all units.

1. Progress toward Closure Plan Approvals and Closure Verifications (PSOP Criterion 3.1)

As presented in Table 1, there are 49 RCRA-lead TSDFs with closed or closing HWMUs, including 55 with closing land disposal units (LDUs), 154 with closing treatment and storage units (TSUs), and six with closing combustion units (CUs). There are 215 total units on the closure track.

As detailed in Table 1 and in the FY 2012 Commitments Table in the Attachments section, the Division completed one closure plan approval (CL360) for LDUs and on closure plan approval (CL360) for TSUs.

As a result of these actions, the Division continues to make progress in addressing hazardous waste units on the closure track. Closure plans have been approved for 211 out of 215 (98%) of all closing units, and closure has been verified for 89% (192 of 215) of all closing units. Utah committed to one closure verification (CL380); the Division exceeded this commitment by completing eight.

Table 1 - Status of Closing Units in Utah¹

Status, Activity	LDUs	TSUs	CUs	Total ²
TSDFs on Closure Track with appropriate units ¹	17	42	3	49
Units on Closure Track	55	154	6	215
Units with Closure Plan Approved at start of FY 2012	55	149	6	210
Closure Plans Approved in FY 2012	0	1	0	1
Units with Closure Plan Approved at end of FY 2012	55	150	6	215
Units with Closure Verified at the start of FY 2012	52	130	3	5
Unit closures verified in FY 2012	1	6	0	7
Units with Closure Verified at end of FY 2012	53	136	3	192

1 – Includes only those managed by RCRA, not those referred to CERCLA.

2 – Total number of TSDFs differs from the sum of the three facility columns because some facilities have more than one type of unit.

The following table summarizes the closure activities (CL360, CL370, and CL380) in FY 2012:

Table 2 – FY 2012 Closure Activities in Utah

Facility	Activity	Date
ATK Launch Systems -Promontory	Closure Verification (CL380) –M-225 Partial Closure, Closure #7	4/3/12
Dugway Proving Ground	Closure Verification (CL380) – HWMU 9	8/8/12
Deseret Chemical Depot	Closure Plan Approval for TSUs (CL360) – HWMU 31	8/14/12
Deseret Chemical Depot	Closure Plan Verification (CL380)- DAVINCH	3/7/12
Deseret Chemical Depot	Closure Plan Verification (CL380)- TOCDF MDM 101	3/7/12
Deseret Chemical Depot	Closure Plan Verification (CL380))- TOCDF MDM 102	3/7/12
Deseret Chemical Depot	Closure Plan Verification (CL380))- TOCDF MDM 103	3/7/12
Deseret Chemical Depot	Closure Plan Verification (CL380))- TOCDF PMD 101	3/7/12
Deseret Chemical Depot	Closure Plan Verification (CL380))- TOCDF PMD 102	3/7/12

STATUS: The State met the standards for this criterion.

2. **Quality of Closure Plans and Verifications (PSOP Criterion 3.2)**

STATUS: The State met the standards for this criterion.

3. **Progress toward Controls for Post-Closure & Operating Facilities (PSOP Criterion 3.3)**

In FY 2012, there are 27 RCRA-lead TSDFs that require controls for management of hazardous wastes in either post-closure (PC) LDUs or operating HWMUs: 13 require PC care, 20 have operating units, and six (6) have both. Starting in 2005, 26 facilities (now 27) have been consolidated into a baseline universe for approved controls to track progress toward national goals. As presented in Figure 6 below, at the end of FY 2012, Utah had placed the appropriate post-closure or operating controls for all units at 27 of the 27 facilities (100%) in the baseline universe.

Figure 6

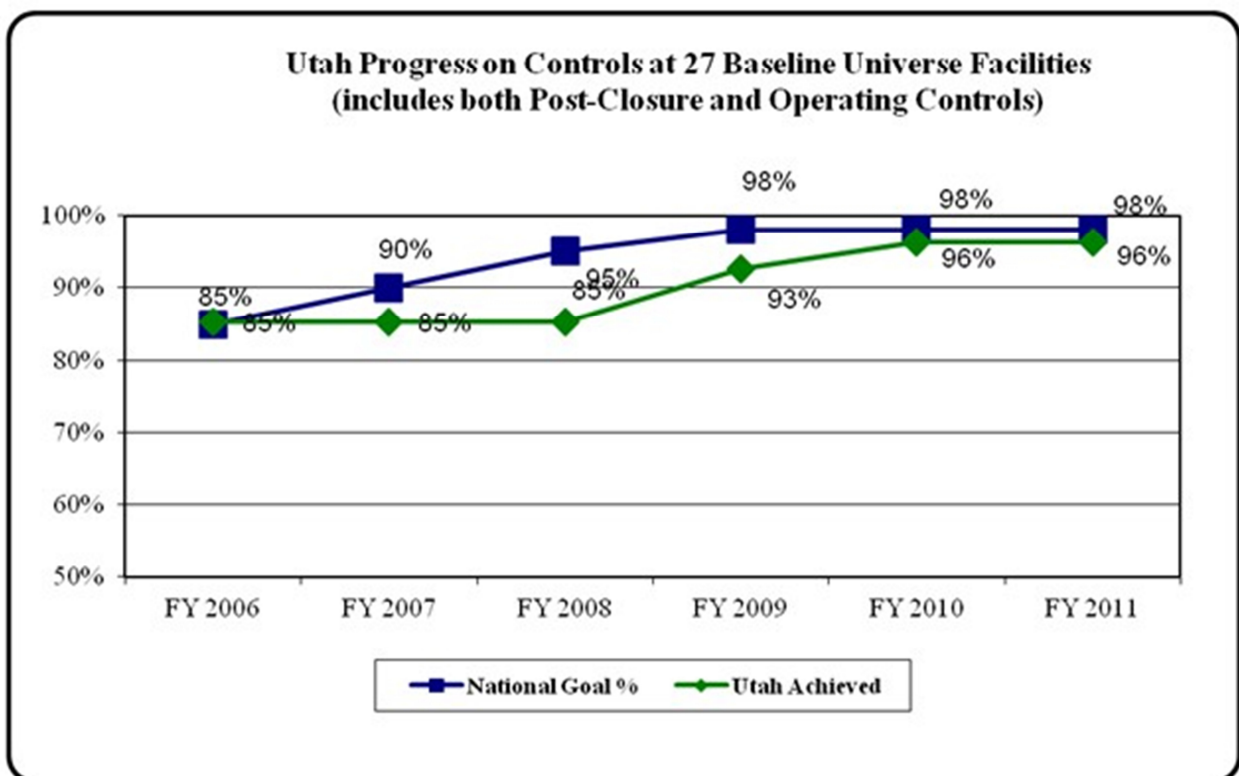


Table 3 indicates the status of the Baseline Facilities and their units as of the end of FY 2012.

Table 3 – Permit Status for Utah TSDFs Needing Controls						
TSDf and Unit Categories	PC LDU	OP LDU	OP TSU	OP CU	OP TOT	TOT¹
Facility Level measures for Baseline Universe						
TSDfS on 2005 Consolidated Baseline Universe	17	2	17	3		27
TSDfS with all units controlled at start of 2012	16	2	17	3		26
TSDfS with all units controlled in 2012	0	0	0	0		0
TSDfS with all units controlled at end of 2012	17	2	17	3		27
Facility Level Percentage	100%	100%	100%	100%		100%
Unit Level measures for Baseline Universe						
Units in 2005 Consolidated Baseline Universe	40	4	133	6	143	183
Units with controls in place at start of 2012	39	4	133	6	143	182
Units with controls in place during 2012	0	0	0	0	0	0
Units with controls in place at end of 2012	40	4	133	6	143	183
Unit Level Percentage	100%	100%	100%	100%	100%	100%

Total number differs from the sum of the three facility columns because some facilities have more than one type of unit.

The Division also received 109 permit modification requests (including temporary authorizations) during FY 2012 and completed 95 modifications as follows:

1. Class I & Ia–78
2. Class II –9
3. Class III –3
4. Temporary Authorizations - 5

During FY 2012, the Division issued 42 Emergency Permits.

The agency also notes that the Division issued permits to a 100% of regulated units at its facilities by the end of FY 2012.

STATUS: The State met the standards for this criterion.

4. **Quality of Permits or other controls for Post-Closure and Operating Units and Facilities (PSOP Criterion 3.4)**

On September 28, 2012, UDEQ reissued TSD permits to the Clean Harbors Aragonite and Clean Harbors Grassy Mountain.

STATUS: The State met the standards for this criterion.

CORRECTIVE ACTION

1. **Completion of RCRA Facility Assessments (PSOP Criterion 4.1)**

According to data in RCRAInfo, 24 of the 24 Utah TSDFs on the Corrective Action GPRA baseline have been assessed through a RCRA Facility Assessment (RFA, CA050) or equivalent, and have been given a Corrective Action rank (high, medium, low). After the assessment, 17 TSDFs were identified as needing corrective action beyond the assessment stage. Of the 17 facilities needing corrective action, 11 were ranked “high” for their

potential or actual releases of hazardous contamination. Stabilization evaluations (CA225) have been completed for 23 of the baseline facilities.

STATUS: The State met the standards for this criterion.

2. **Quality of RCRA Facility Assessments (PSOP Criterion 4.2)**

Not applicable since the state previously met the standards for this criterion, and no additional work is anticipated.

STATUS: This criterion is considered not applicable.

3. **Completion of Investigations (PSOP Criterion 4.3)**

The PPA target commitment at the area level was eight RFI Approvals (CA200). The Division met the target by completing eight, (The information for ATK SWMU N-10 was entered late into RCRAInfo), as listed in Table 5 below.

STATUS: The State met the standards for this criterion.

4. **Quality of Investigations (PSOP Criterion 4.4)**

STATUS: The State met the standards for this criterion.

5. **Completion of Cleanup (PSOP Criterion 4.5)**

Table 5 summarizes RCRA corrective action activities in FY 2012:

Table 5 – FY 2012 Corrective Action Activities in Utah

Facility	Activity	Date
Anderson Geneva Development, INC.	Construction Complete (CA550) 2 SWMUs CA Complete (CA999) 2 SWMUs	4/23/12 4/23/12
ATK Launch Systems – Bacchus – Plant 1 and NIROP	RFI Phase II Work Plan Approved (CA150) for 5 SWMUs (N-1, N-2, N-8, SS-1 and SL-4)	8/14/12
	RFI Phase II Report Approved (CA200) for 7 SWMUs (S-1, S-10, S-12, S-21, S-32, S-37, and N-10)	8/31/12
	Remedy Selection (CA400) for 7 SWMUs (S-1, S-10, S-12, S-21, S-32, S-37, and N-10)	8/31/12
	Remedy Selection (CA400) for 2 SWMUs (BP-3, SA-2)	9/27/12
	CMI Construction Complete (CA550) for 7 SWMUs (S-1, S-10, S-12, S-21, S-32, S-37, and N-10)	8/31/12
	CMI Construction Complete (CA550) for 2 SWMUs (BP-3, SA-2)	9/27/12
	Corrective Action Completed (CA999) for 7 SWMUs (S-1, S-10, S-12, S-21, S-32, S-37, and N-10)	8/31/12
	CA Complete (CA999) SWMU for 2 SWMUs (BP-3, SA-2)	9/27/12
Deseret Chemical Depot	CMS Report Approved (CA350) for SWMU 3	8/14/12

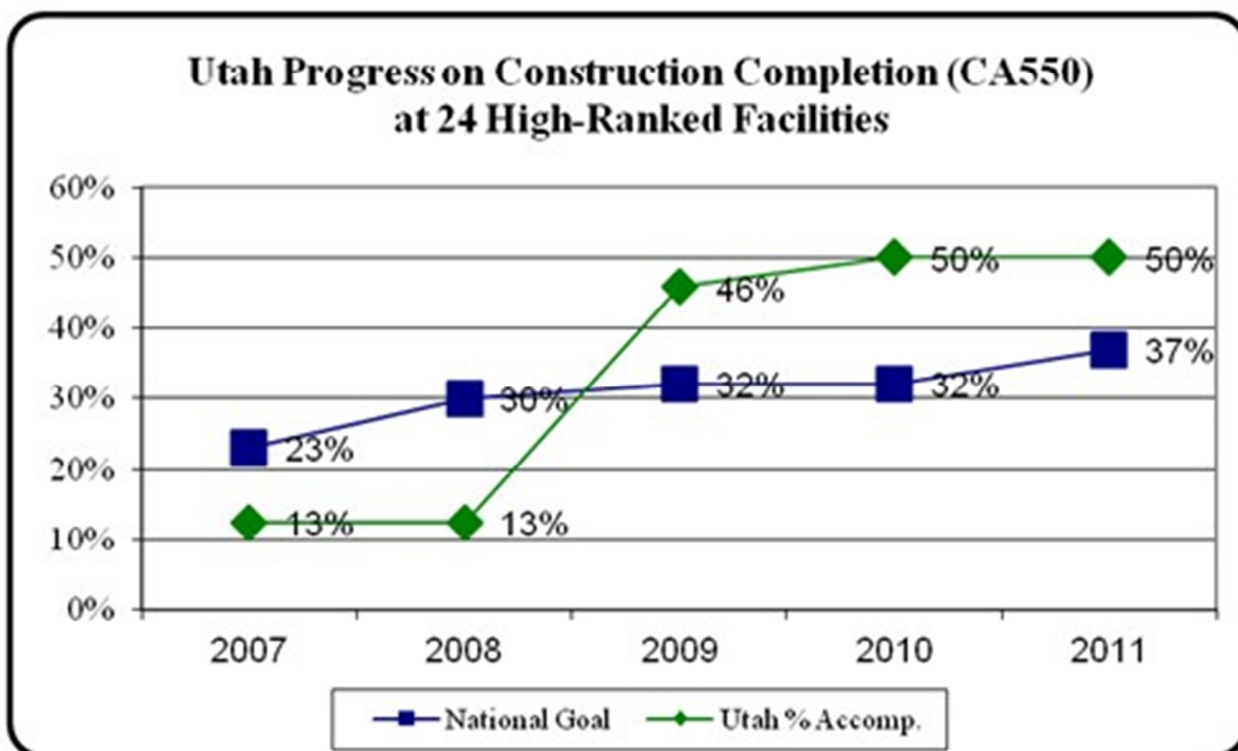
Facility	Activity	Date
	CMI Work Plan Approved (CA500) for SWMU 3	8/14/12
	Stabilization Measures Imposed (CA600) (Interim Measures Approved) for 2 SWMUs (1 and 25)	7/6/12
Dugway Proving Ground	RFI Report Approved (CA200) for SWMU 204	8/21/12
	Remedy Selection (CA400) for SWMU 204	8/21/12
	CMI Construction Complete (CA550) for SWMU 192	1/11/12
	CMI Construction Complete (CA550) for SWMU 204	8/21/12
	Stabilization Measures Complete (CA650) SWMU 204	8/21/12
	Corrective Action Complete (CA999) for SWMU 192	1/11/12
	Corrective Action Complete (CA999) for SWMU 204	8/21/12
Tooele Army Depot	CMI Construction Completed (CA550) – SWMUs 11, 49 and 56	6/7/12
	CA Complete (CA999) – SWMUs 11, 49, 54, and 56	6/7/12
Western Zirconium	CMS Report Approval (CA350) for 49 SWMUs (1-10, 17, 18, 20-22, 26, 27, 29-35, 35a, 36-42, 44-46, 48-50, 52-63) and 15 AOCs (1-5, 11-18, Mud Flats and Pond Area GW)	9/20/12
	Remedy Selection (CA400) for 17 SWMUs (1, 9, 17, 22, 29-33, 37, 46, 54-57, 61, 63) and 10 AOCs (1-5, 11, 12, 16-18)	9/20/12
	CMI Construction Complete (CA550) for 17 SWMUs (1, 9, 17, 22, 29-33, 37, 46, 54-57, 61, 63) and 10 AOCs (1-5, 11, 12, 16-18)	9/20/12
	Corrective Action Complete (CA 999) for 17 SWMUs (1, 9, 17, 22, 29-33, 37, 46, 54-57, 61, 63) and 10 AOCs (1-5, 11, 12, 16-18)	9/20/12

Facility Wide CA 550 Construction Completion. (GPRA)

Utah did not commit to any facility wide construction complete for FY2012

Figure 7 illustrates progress in achieving the Corrective Action national goals for Construction Completion GPRA CA 550. The national target for FY 2012 was 32%. Utah has achieved remedy selection at 12 of 24 facilities or 50%. Utah is ahead of the National Goal of 32% for GPRA CA 550 for FY2012.

Figure 7



**CA 550 Construction Complete area level
CA 999 Corrective Action Complete**

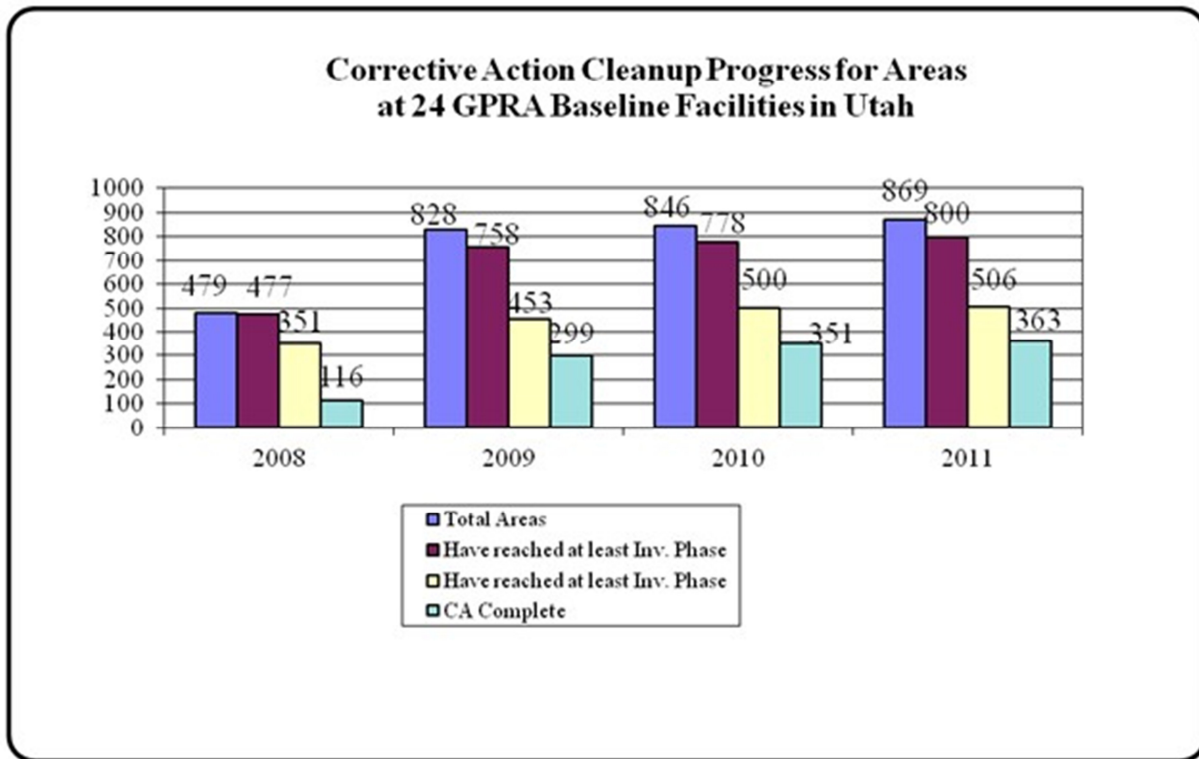
Utah committed to one CA550 Construction Completion event at the area level in FY 2012 and achieved 60. Utah committed to three CA999 Corrective Action Complete events at the area level and achieved 63, which was considerably more than projected.

Figure 8 presents the status and progress of cleanup for the 868 areas at Utah's 24 GPRA facilities over the past several years. The agencies note that incremental progress toward cleanup goals is most clearly demonstrated when area level data are used. In Figure 8, the data indicates how many of the 868 areas at the 24 GPRA CA facilities there were in the workload universe, and many had at least reached each of the following three primary phases of cleanup by the end of FY 2012:

1. The Investigation Phase (includes all investigation events, such as RFI imposition, RFI completion, Risk Assessment, etc.);
2. The Remediation Phase (includes all cleanup events, such as Remedy Selection, CMI Construction Completion, Stabilization Measures Imposed, etc.); and
3. The Completion of CA, Termination (all cleanup goals achieved).

The data in Figure 8 indicate a significant growth (from 479 in 2008 to 868 in 2012) in the number of areas that have been designated at the 24 GPRA facilities. This is due primarily to the breaking out of individual areas that are proceeding through CA at different rates. The Division expects that further breakouts of CA areas will occur in the future.

Figure 8



The data in Figure 8 also indicate that:

1. Almost all of the areas have reached at least the investigation phase;
2. There has been significant progress in the number of areas that have reached the remediation phase (351 in 2008 to 541 in 2012)
3. The number of areas that have completed the CA process has increased from 116 in 2008, (24% of the CA Workload) to 412 in 2012 (48%).

STATUS: The State met the standards for this criterion.

6. **Quality of Cleanup and Remediation Activities (PSOP Criterion 4.6)**

STATUS: The State met the standards for this criterion.

7. **Progress in Achieving Environmental Indicators (PSOP Criterion 4.7)**

Having current Human Health and Migration of Contaminated Ground Water under control at GPRA CA facilities is a high priority for the national RCRA program. The Division supports this priority by focusing efforts on the 24 GPRA facilities in Utah and tracking progress toward the national goals for the two measures.

Figure 9

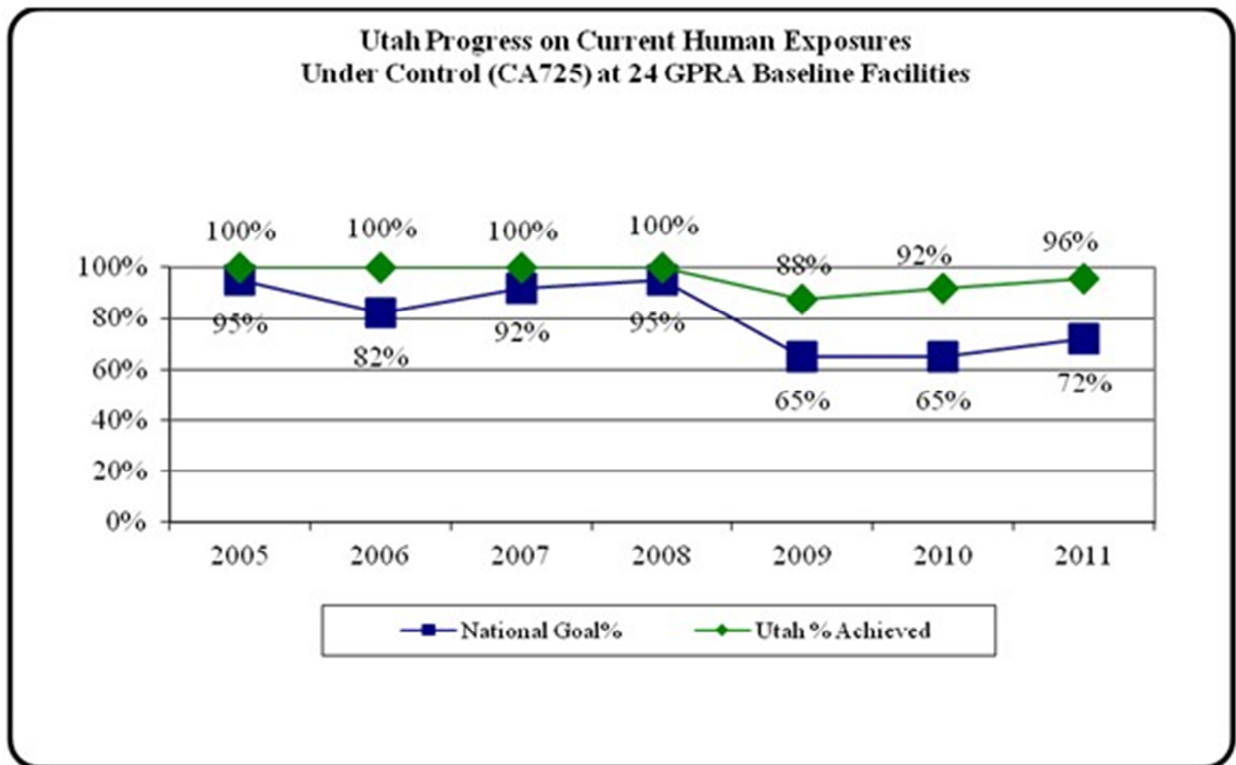
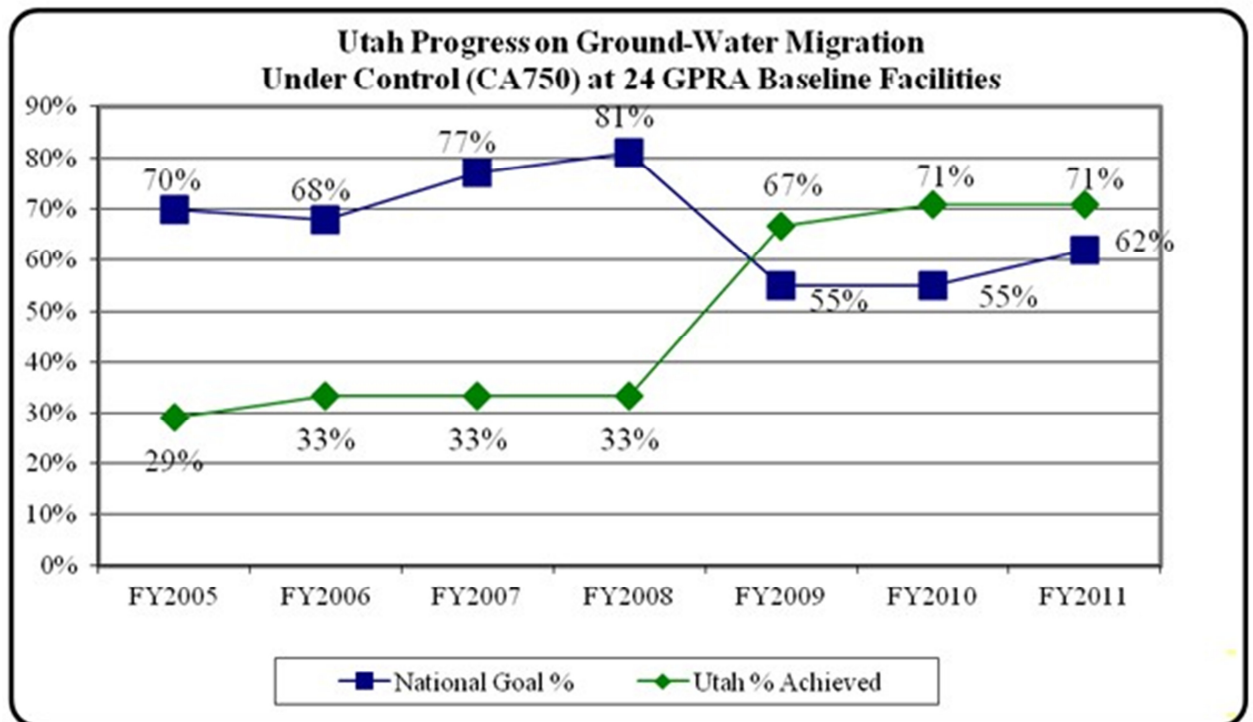


Figure 10



Current Human Exposure Under Control (CA725): Utah committed to one Human Exposure Under Control (CA725) for FY2012 at Ninigret Technologies Park, LC. It should be noted that when Utah first submitted its commitments for FY 2012, Utah did not commit to any CA725 because it was not sure that one could be met, but during negotiations with Region 8, the Region pressured Utah into agreeing to one CA725. Information that was needed to make this determination was not submitted by the facility, so a determination could not be made. Utah achieved Human Health Exposures Under Control at 96% of GPRA facilities, which puts Utah ahead of the National Goal of 72% for FY2012.

Migration of Contaminated Ground Water Under Control (CA750): Utah achieved Groundwater Migration Under Control at 71% of GPRA facilities, which puts Utah ahead of the National Goal of 55% for FY2012. The effort to address the groundwater EI at all of these facilities is ongoing.

STATUS: The State met the standards for this criterion.

Voluntary Corrective Action Program

The Division also continued to conduct oversight of the following voluntary corrective action sites:

- Autoliv (former Volvo GM facility) – Oversight of a select number of groundwater monitoring wells continues. Reviewed and provided comments on the September 2012 Annual Post Remediation Groundwater Monitoring Report.
- One-Hour Quality Cleaners – Reviewed the 2012 Groundwater Monitoring Summary Report.
- Unysis Salt Lake City Facility – Oversight of groundwater monitoring continues. Reviewed the 2011 Annual Monitoring Report and approved a Vapor Intrusion Assessment Report.
- Varian Medical Systems – Oversight of groundwater monitoring continues. Reviewed semi-annual monitoring report.
- Canyon Center Plaza – Oversight of continued investigation of release to soil.
- Laundry Supply – Oversight of groundwater monitoring and risk assessment with future site management.

Ongoing oversight of groundwater monitoring as required through approved site management plans was conducted at Northrup Grumman (Litton Defense Systems), Mosquito Abatement SLCC, Box Elder Mosquito Abatement, Farmers Grain COOP, Univar SLC, Univar Woods Cross, Tuxedo Junction and Brickyard Square Property.

**PSOP Program Review Summary Table
FY 2012 Commitments Table**

Y 2012 EOY Review Summary for the Utah Solid & Hazardous Waste Division		
Criterion	Std Met?	Comments
PROGRAM MANAGEMENT		
1.1 <i>Adoption of federal rules by the state</i>	YES	
1.2 <i>Authorization</i>	YES	
1.3 <i>Memorandum of Agreement</i>	YES	
1.4 <i>Resources and Skill Mix</i>	YES	
1.5 <i>State training program</i>	YES	
1.6 <i>Data Timeliness, Accuracy and Completeness</i>	YES	
1.7 <i>Records Management</i>	YES	
SAFE WASTE MANAGEMENT		
3.1 <i>Progress toward Closure</i>	NO	Utah completed 1 unplanned closure plan approval but failed to meet the commitment for 1 closure verification.
3.2 <i>Quality of Closure Plans and Verifications</i>	N/A	
3.3 <i>Progress toward Controls for PC/OP Facilities</i>	YES	
3.4 <i>Quality of PC/OP instruments</i>	YES	
CORRECTIVE ACTION		
4.1 <i>Completion of RFAs</i>	YES	
4.2 <i>Quality of RFAs</i>	N/A	RFA's 100% complete
4.3 <i>Completion of Investigations</i>	YES	RFI CA 200 Commitment=1/Achieved =12
4.4 <i>Quality of Investigations</i>	YES	
4.5 <i>Completion of Cleanup</i>	NO	Utah committed to 29 (CA550) Completion Events and only achieved 12, well below the target number.
4.6 <i>Quality of Cleanup and Remediation</i>	YES	
4.7 <i>Progress in Achieving Els</i>	YES	GPRA Human Health CA 725 Commitment/Achieved 1/1 NIROP GPRA Groundwater Migration CA 750 Commitment/Achieved 0/0

FY 2012 Hazardous Waste Program Commitments for UTAH					
Event	# of Facilities or Units	Achieved by EOY FY2011	FY 2012		
			Committed	Achieved	EOY
Closure Activities (all at unit level)					
Closure Plan Approval (CL360) for LDUs	55	55		0	55
Closure Verification (CL380) for LDUs	55	52		1	53
Closure Plan Approval (CL360) for TSUs	148	149		1	150
Closure Verification (CL380) for TSUs	148	130	1	6	136
Closure Plan Approval (CL360) for CUs	6	6		0	6
Closure Verification (CL380) for CUs	6	3		0	3
Closure Plan Approvals Total (LDUs+TSUs+CUs)	215	210	0	1	211
Closure Verifications Total (LDUs+TSUs+CUs)	215	185	1	8	193
Permit Activities at GPRA Universe Facilities (all at facility level)					
Permitted Facilities under Approved Controls	2	1		1	2
Permit Renewals due this Strategic Period	9	1	1	1	2
Permit Activities Totals			1	2	
Permit Activities for GPRA Universe Facilities (at unit level)					
Controls in Place for LDUs on Closure Track	2	1		1	2
Controls in Place for LDUs on Operating Track	0	0		0	0
Controls in Place for TSUs on Operating Track	8	8		0	8
Controls in Place for CUs on Operating Track	0	0		0	0
Corrective Action Activities at GPRA Universe Facilities (activities are at facility level, unless specified at area level)					
RCRA Facility Assessments (CA050)	24	24		0	24
Overall Facility NCAPS Ranking (CA075)	24	24		0	24
Facility Stabilization Assessment (CA225)	24	23		0	23
Facility Remedy Selection (CA400)	24	13		0	13
Facility Construction Completion (CA550) (GPRA measure)	24	12		0	12
Human Health Exposures Controlled Determination (CA725) (GPRA measure)	24	23	1	0	23
Groundwater Migration Controlled Determination (CA750) (GPRA measure)	24	17		0	17
RFI Imposed (CA100) (area level)	868	800		0	800
RFI Approved (CA200) (area level)	868	637	8	7	644
Remedy Selection (CA400) (area level)	868	490	0	51	541
Construction Completion (CA550) (area level)	868	360	1	60	420
Corrective Action Completed (CA999) (area level)	868	349	3	63	412

RCRA ENFORCEMENT PROGRAM SELF-ASSESSMENT

I. Inspections

The following is the Division's self-assessment for compliance and enforcement.

- During FY2012, the Region conducted nine large quantity generator inspections at Kennecott Utah Copper Refinery, Kennecott Utah Copper Concentrator, Kennecott Utah Copper Smelter, ATK Launch Systems- Promontory, Parish Chemical, Bonanza Power Plant, American Gilsonite, Ziegler Chemical and Western Zirconium. The Division assisted EPA with these inspections and will conduct enforcement reviews on the results of the inspections as needed. The Division also assisted EPA in performing three CERCLA off-site evaluations at the Clean Harbors – Aragonite, Clean Harbors – Grassy Mountain, and EnergySolution TSDs facilities.

Utah conducted 95 inspections during FY2012. These inspections included TSDFs, LQGs, SQGs, CESQGs, Transporters, and Used Oil facilities. All inspection data has been entered into RCRAInfo. Utah also conducted 76 Compliance Assistance visits. In addition to the regular scheduled inspections the Division completed a number of Financial Record Reviews. There were a number of used oil inspections; follow-up on complaints (six that were followed up on) and those that did not have EPA ID numbers. They were: Wagstaff Crane, Sims Metals Recycling, Sommers Auto Wrecking, Pick-N-Pull, Amen Diesel, Above All Auto, Sewer Flat Salvage, and six complaints that were followed up.

- Utah inspection reports document inspection findings, including accurate identification of violations.
- Of the 24 large quantity generators inspections completed in FY2012 there were 16 in EJ areas for a total of 67%.

II. Enforcement

The Division took appropriate enforcement actions as follows.

- Enforcement actions are taken in a timely manner with few exceptions. There were 14 enforcement actions completed in FY12.
- Enforcement actions were appropriate for the violations, including proper and timely determination on whether a facility was a SNC.
- Enforcement actions included appropriate injunctive relief that returned facilities to compliance in a specific time frame.

Gravity and economic benefit calculations were included for all penalties as appropriate. Utah negotiated \$40,901 in penalties in FY2012. The Penalty for Western Petroleum (\$37,210.00) was just approved on November 8, 2012 by the Board.

- Final enforcement actions stipulated appropriate gravity and economic benefit portions of a penalty.

Annual Commitments: The Division has met its FY12 PPA commitments.

DIVISION OF WATER QUALITY

DWQ

Protect, maintain and enhance the quality of Utah's surface water and ground water to allow appropriate beneficial uses, and protect public health while giving reasonable consideration to economic impacts.

EPA STRATEGIC GOAL 2: PROTECTING AMERICA'S WATERS.

Protect and restore our waters to ensure that drinking water is safe, and that aquatic ecosystems sustain fish, plants and wildlife, and economic, recreational, and subsistence activities.

UPDES ENGINEERING/PERMITS

EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

EPA OBJECTIVE 2.2: Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

Maintain an acceptable UPDES Program per agreement with EPA. The Utah Department of Environmental Quality (DEQ) shall fully implement and enforce its delegated UPDES program (including, as appropriate, general permitting, pretreatment, biosolids, CAFO, and storm water programs) as required by 40 CFR Parts 122-124, 403, 501 and 503, its delegation MOA July 7, 1987, SEA, Inspection Plan, and any other agreements with EPA regarding program implementation. The PPA may specify goals and objectives for activities beyond the base level of performance, but, in no way, should this be interpreted as relief from full implementation of the base program.

DEQ certifies that it has, maintains, and implements an adequate UPDES program including pretreatment, biosolids, CAFO, and storm water in conformance with federal and state laws and regulations and conditions set forth in program authorization (delegation) documents. As long as the DEQ maintains an adequate program, the EPA and the DEQ agree that this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the EPA may be used by the DWQ UPDES Program to perform core program activities to adequately maintain its UPDES program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

Continue to fully implement the ongoing UPDES pretreatment, biosolids, CAFO, and stormwater management programs as per the following "CORE PROGRAM ACTIVITIES", "COMPLIANCE AND ENFORCEMENT ACTIVITIES" and "PERMIT ACTIVITIES".

UPDES Core Program Activities

1. DWQ will report the number and percent of facilities that have a discharge requiring an individual permit that:
 - (a) are covered by a current UPDES permit (FY 2012 EOY Report, Edith) **(WQ-12)**
STATUS: 127 Individual permits, Biosolids permits are not included when they are combined with their POTW permit.
 - (b) have expired individual permits (FY 2012 EOY Report, Edith)
STATUS: There are currently 29 expired permits. Six Biosolids permits are expired due to the corresponding POTW discharge permits currently being expired.

- (c) have applied for, but have not yet been issued an individual permit (FY 2012 EOY Report, Jeff Studenka or John Kennington)

STATUS: We have 5 facilities that have applied for an individual permit, but not yet received their permit as of 9/30/2012.

- (d) have individual permits under administrative or judicial appeal (FY 2012 EOY Report, Jeff Studenka or John Kennington)

STATUS: There are currently 5 permits under administrative appeal.

2. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the 5 year statutory time frame. If the number of backlogged permits is greater than 30% at any time, provide an overall permit issuance/backlog reduction plan showing how the State will expeditiously reduce the backlog to 10%. (FY 2012 EOY Report, Jeff Studenka or John Kennington)

STATUS: Based upon our entire permit universe, our number of backlogged permits is significantly less than 30%.

3. Semiannually indicate the number of storm water sources associated with industrial activity, number of construction sites over one acre, and the number of designated storm water sources (including Municipal Phase I and Phase II) that are covered by a current individual or general UPDES permit or other enforceable mechanism, by April 30, 2012 and October 31, 2012. (Edith or Jeff Studenka)

STATUS: Completed on April 2 and on September 12, 2012. As of September 12, 2012 there are 612 industrial, 1348 construction, and 78 MS4 permits (including 3 Phase I & 75 Phase II Municipal facilities).

4. Involve regulatory agencies and the public as necessary to effectively permit storm water discharges. (Ongoing, Stormwater Coordinators, Jeff Studenka).

- a. The State program is accessible by the public and regulated entities (i.e., contact information and web sites, etc.).

STATUS: Accessible and ongoing.

- b. Include EPA in the review process prior to issuing general permits for storm water discharges.

STATUS: Completed and ongoing.

- c. Track storm water general permit coverage and provide data to EPA on regulated agencies consistent with National efforts for data management (PCS/ICIS).

STATUS: DWQ tracks storm water permits as required.

5. Identify in ICIS the following Pretreatment Program statistics:

- a. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs,

STATUS: There are 249 SIUs in approved pretreatment programs. This information includes zero discharging SIUs.

- b. The number of significant industrial users (SIUs) that discharge to POTWs with approved Pretreatment Programs that have adequate control mechanisms implementing applicable pretreatment standards and requirements. (95% coverage is the Regional commitment)

STATUS: There are 249 SIUs in approved pretreatment programs that are currently permitted. Therefore 100% of SIUs are permitted.

- c. The number of categorical industrial users (CIUs) that have adequate control mechanisms implementing applicable pretreatment standards and requirements in approved pretreatment programs. (Jen and Edith)

STATUS: There are 171 CIUs in approved pretreatment programs that are permitted.

6.
 - a. Perform inspections on 30% of all approved pretreatment programs
STATUS: Inspections were completed at 7 of the 20 approved pretreatment programs in inspection year 2012 (35%).
 - b. Perform audits on 20% of all approved pretreatment programs. (Ongoing Jen)
STATUS: Audits were completed at 4 of the 20 approved pretreatment programs in inspection year 2012 (20%).
 - c. Provide EPA with the number and percent of local Pretreatment programs that have implemented Pretreatment Streamlining Regulations. (FY 2012 EOY Report Jen)
STATUS: This year one pretreatment program has included the streamlining regulations and has implemented the pretreatment streamlining regulations as minor modifications. Two pretreatment programs have included the streamlining regulations in their rules and regulations as a major modification and the process for approving the modification is completed. Therefore 10% of the twenty programs have adopted the pretreatment streamlining regulations into their control authority.
 - d. Provide the number of categorical industrial users (CIUs) in non-approved pretreatment programs (FY 2012 EOY Report, Jen)
STATUS: Currently the State is aware of four CIUs in non-approved pretreatment programs.
 - e. Provide the number of CIUs in non-approved pretreatment programs permitted by the State. (FY 2012 EOY Report, Jen)
STATUS: Currently the State permits one CIU in a non-approved pretreatment program. Two of the others have been required by the POTW to not discharge into the POTW.
7. Continue to assist in implementation of the Utah AFO/CAFO Strategy. Specific commitments include:
 - a. Subsequent to CAFO rule promulgation develop a new General Permit based on revised CAFO Rules. (Ongoing, Don)
STATUS: DWQ is finalizing new state CAFO rules. The new general permit is scheduled to be developed and issued several months following rule promulgation in early 2013.
 - b. For all permitted CAFOs if available, enter permit facility data, permit event data, and inspection data into ICIS. Provide EPA with copies of all CAFO inspection reports. (Ongoing, Don)
STATUS: CAFO Permit event and inspection data are entered into ICIS. Additional permit facility data will be entered when new NOIs & NMPs are received for the new CAFO permit in 2013. Copies of CAFO inspection reports are sent to EPA.
 - c. Inform EPA of animal feeding operations that are impacting water quality annually (FY 2011 EOY Report, Don).
STATUS: EPA is informed of AFOs that impact water quality through inspection reports and/or enforcement actions.
 - d. Conduct and/or participate in meetings of the AFO/CAFO committee and maintain critical partnerships with NRCS, UACD, the Farm Bureau and the agricultural community.
STATUS: Two AFO/CAFO committee meetings were conducted in 2012 with partners from UDAF, NRCS, UACD, Utah Farm Bureau, producers, and other representatives from the agriculture community. Other meetings of smaller workgroups were held to discuss the draft state rule, nutrient management planning practices and partnership work agreements as necessary and appropriate.
 - e. EPA will provide CAFO rule development updates, to keep DWQ informed.

STATUS: EPA R8 provides updates of the CAFO rule as information becomes available.

8. Implement the Sewage Sludge (Biosolids) regulations

a. % and # of UPDES permits that contain biosolids language. (FY 2012 EOY Report, Mark)

STATUS: 100% of the UPDES individual discharge permits for mechanical wastewater treatment plants where biosolids operations are routinely conducted include biosolids permit requirements in the permit (31 permits). Thirty more UPDES discharge permits for lagoon based wastewater treatment plant systems, where biosolids are not routinely, actively handled, have biosolids language requiring coordination with the permitting authority when the entity may decide to reduce the biosolids inventory in the pond system by removal and disposal

b. Maintain data in the ICIS database.

STATUS: Ongoing.

UPDES Compliance and Enforcement Activities

1. Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.

a. Properly enter data into the ICIS data system such that the federally required data fields are current. (Ongoing, Edith)

b. Provide to the maximum extent practicable the RIDE elements required. This depends on information that is obtainable with the permittee's cooperation and economic restraints. (Ongoing, Edith)

c. ICIS data is entered accurately which includes permitting, compliance, and enforcement data. (Ongoing, Edith)

d. DWQ will continue to assess the Watch List on a quarterly basis and coordinate the QNCR with EPA. (Ongoing, Edith)

STATUS: For a, b, c, & d above, all are current and ongoing within DWQ.

2. Non Major Facilities Compliance Report.

Continue to report non-major facilities compliance data the same as majors through the ICIS data management system. (Ongoing, Edith)

STATUS: This is current and ongoing within DWQ.

3. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between DWQ and USEPA. Include those sectors, as agreed upon, when planning IU inspections by DWQ or USEPA. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be made in accordance with the mutually agreed to annual inspection plan. Utah's Annual Inspection Plan will, to the extent possible, incorporate the EPA NPDES Compliance and Monitoring Strategy (Oct. 17, 2007) to include details of inspection commitments for both traditional NPDES core programs and wet weather priority areas identified in the EPA strategy. (Ongoing Lonnie, Mike H.)

a. Submit draft inspection plan for FY13 by August 1, 2012, and final inspection plan by September 1, 2012 or within 15 of days of receiving EPA's formal comments on the draft plan if EPA comments are received later than August 15, 2012. (Lonnie, Mike H.)

- b. Track inspections in ICIS. (Ongoing: Edith, Lonnie, Mike H.)

STATUS: This is current and ongoing within DWQ.

- c. As noted in the inspection plan, DWQ will conduct the following minimum number of inspections during FY12:

UPDES INSPECTION SUMMARY TABLE

INSPECTION/FACILITY TYPE	NO.	COMMENTS
Major Permittee Facilities – CEI	16	
Minor Permittee Facilities – CEI	16	
Minor Industrial Permittee – RI	24	
Minor Municipal Permittee – RI	14	
Pretreatment (Audit and PCI)	10	4 audits and 6 inspections
Biosolid Program Inspections	6	~20% of permitted facilities
Stormwater Const. Phase 1	62	~10% of active facilities as of July 2011
Stormwater Const. Phase 2	34	~5% of active facilities as of July 2011
Stormwater Industrial	53	~10% of active facilities as of July 2011

STATUS: DWQ completed 18 CEIs at Major Facilities, 17 CEIs at Minor Facilities, 25 RIs at Minor Industrial Facilities, and 13 RIs at Minor Municipal Facilities. The additional CEIs performed at minor facilities are counted towards the overall inspection numbers, including any shortages of RIs as previously agreed to with EPA R8. DWQ also completed over 62 Stormwater Construction Phase I and over 70 Phase II inspections, which includes QLP inspections. 60 Stormwater Industrial inspections were also conducted. Other DWQ inspections completed include 5 Pretreatment and 9 Biosolids.

- d. EPA Region 8 may conduct up to 4 joint oversight inspection with DWQ in FY12. One inspection may be a Phase I MS4 audit.

STATUS: Completed by EPA.

4. Sanitary Sewer Overflows (SSOs)

- a. Respond to SSO when requested by districts, municipalities and local health departments as requested or if waters of the State are threatened. (Ongoing Jen)

STATUS: Ongoing.

- b. Continue to inventory (ask questions of) permittees for SSO occurrences and resolutions through the Municipal Wastewater Planning Program (MWPP) questionnaire.

STATUS: Please see response to Item c. ii below.

- c. Submit to EPA Region 8 a report by October 15, 2011, with information for FY11, that will include:

- i Number of UPDES inspections at major facilities where SSO information was received. (Jen)

STATUS: The SSO questionnaire was asked at 8 major facilities as part of the CEIs.

- ii An updated SSO inventory and the causes of the SSOs. (Jen)

STATUS: Historically the municipal wastewater planning program (MWPP) has been sent out in February, to gather information regarding the facility for the previous calendar year. The information in the MWPP is not only regarding the collection system but also financial, operator certification and treatment information is gathered using the MWPP. The MWPP has been used for data gathering for the US EPA Clean Watershed Needs Survey for the small system financial needs analysis. When EPA does any data survey, approval has to be given by OMB. As of today

OMB has not approved EPA's survey request, which was submitted 18 months ago. Consequently any data submitted prior to OMB approval would not be allowed to be used in the Needs Survey; therefore Utah DWQ is waiting for the approval from OMB before sending out the MWPP. The MWPP is used to collect the SSO inventory and the causes of the SSOs, therefore this information cannot be provided at this time.

- iii The number and percent of SSO inspections in priority watersheds (as defined by the State) including the name of the priority watershed.

STATUS: The DWQ was not required to inspect a collection system this year, therefore no collection system inspections were completed this year. In lieu of the inspections Utah started its Utah Sewer Management Program, a program to permit the operation of all public sanitary collection systems to encourage better management of those systems.

- iv The number and type of informal and formal enforcement actions taken in response to SSOs;

STATUS: The following facilities received NOV's due to SSOs: St George and Orem.

- v. The percent of enforcement actions in priority watersheds (as defined by the State) for SSO; and

STATUS: All of the enforcement actions taken, this past inspection year, were in priority watersheds.

- vi A description of how 20% of the SSOs, that were reported, were addressed.

STATUS: There were verbal reports of SSOs, of those reports a 5-day report was required. Of those reports some were determined to be unpreventable and/or corrected quickly by the reporting agency. The others were handled by enforcement actions and stated above in iv. of this report.

- d. The State will take enforcement action whenever deemed necessary to protect Waters of the State. SSO enforcement actions will be entered into ICIS NPDES as single event violations. Copies of SSO inspection reports will be provided to EPA. (Ongoing Jen)

STATUS: Ongoing

- e. In order to gain additional information regarding SSOs, and as an additional task during CEI inspections, DWQ will perform an enhanced inquiry with regard to the SSO history of the facility for the preceding year. An enhanced set of standard questions will be developed cooperatively with Region 8. By the end of this fiscal year the DWQ will adopt and implement the Utah Sewer Management Program, as designed and envisioned as of October 1, 2011. (September 30, 2012, John Kennington, Mark Schmitz)

STATUS: The additional SSO history information is being requested during CEI inspections. The Utah Sewer Management Program was started on October 1, 2012.

5. Storm Water

- a. Division personnel will conduct the minimum numbers of stormwater inspections of permitted and unpermitted facilities shown in the "UPDES Inspection Summary Table" in Section 3.c. above. All inspections will be entered into ICIS and copies of inspection reports and enforcement actions will be provided to EPA Region 8. Utah's Annual Inspection Plan will include the industrial sectors that will be focus areas for FY12 as well as any geographic areas targeted for construction inspections (Ongoing, Mike George, Harry Campbell).

STATUS: DWQ completed the storm water inspections as listed above in Section 3.c. Inspections are entered in ICIS and copies are sent to EPA.

- b. Continue implementation of MS4 permits which will ensure adequate sediment control inspections at local construction sites. This should increase the number of overall storm water inspections performed in the state. (Ongoing Rhonda Thiele and Harry Campbell).

STATUS: Current and ongoing.

- c. EPA Region 8 will identify the difference between the rough draft Enforcement Management System that the DWQ submitted to EPA and the Enforcement Response Guide. As State resources allow, DWQ will work with EPA Region 8 to develop Utah's Enforcement Response Guide (ERG) to include storm water within a target of 6 months of the issuance of EPA Region 8's final storm water ERG.

STATUS: Ongoing with EPA.

- d. DWQ agrees to inspect all new sites, as we become aware of them, associated with a permittee that has been cited in any national enforcement case that Utah has joined after the national consent decree is final. The inspection of such sites will count toward the inspection totals in this PPA.

STATUS: Ongoing.

- f. DWQ will provide EPA with a copy of Utah's current storm water database on 3-31-12, and 9-30-12 either electronically or on CD-rom. (Edith, Jeff S.)

STATUS: DWQ completed as previously provided in section 3 of this report..

6. Assure proper implementation and consistent enforcement of WET requirements in UPDES permits.

- a. Following EPA's review and comment, revise Utah's WET policy and guidelines in order to assure alignment with EPA's national WET policy and/or regulations. Target 120 days following receipt of EPA's final comments. EPA Region 8 will notify DWQ when the EPA comments received are considered final. (Ongoing Mike Herkimer)

STATUS: A revised WET policy is in the final stages of development.

- b. Enforce UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February 15, 1991 "Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control," and any subsequent revisions. (Ongoing Mike Herkimer)

STATUS: Ongoing.

- c. Utah will submit as part of their FY2012 EOY report: a list of the facilities which are required to have WET limits or WET monitoring, a list of facilities that have entered into a TIE/TRE during FY12, and a list of any formal enforcement actions which included WET violations, (Mike Herkimer).

STATUS: DWQ maintains a list of facilities that have WET limits and/or monitoring and has previously provided EPA R8 with this information. No facilities did a TIE/TRE in response to WET issues in FY12. No enforcements were performed related to WET issues in FY12.

7. Biosolids-Promote the beneficial use of biosolids

- a. Continue to conduct Biosolids inspections as indicated under UPDES Compliance and Enforcement Activities, Part 3c. (Ongoing Mark Schmitz)

STATUS: Ongoing

- b. Reissue all biosolids permits which will expire in FY2012 and transition into consolidated permits as needed. (Ongoing Mark Schmitz)

STATUS: Ongoing, and all biosolids permits consolidated where needed.

- c. Submit an End-of-Year report to EPA for the preceding calendar year containing a summary of DWQs actions under their biosolids program. Also include a list of facilities that beneficially reuse biosolids, methods of reuse and the tons reused. (4/1/2012, Mark Schmitz)

STATUS: Completed.

8. Enforcement Agreement.

- a. EPA will conduct quarterly conference calls with DWQ to discuss the Quarterly Noncompliance Report for major and minor facilities and current and projected enforcement cases to address concerns early in the process.

STATUS: Ongoing.

- b. EPA will identify and provide copies, if possible, of any policy or guidance documents used when evaluating the appropriateness of DWQ's enforcement actions. DWQ agrees to evaluate all violations and determine an appropriate response and take that action.

STATUS: Ongoing.

- c. DWQ will take timely and appropriate enforcement against facilities in Significant Non-compliance.

STATUS: Ongoing.

- d. DWQ understands that EPA Region 8 will continue to participate in and to initiate regional and national enforcement cases, and will promptly inform and discuss with DWQ any national and regional enforcement cases in Utah.

STATUS: Ongoing.

- e. Region 8 agrees to coordinate with and appropriately notify DWQ when it conducts inspections and investigations for regional and national enforcement cases.

STATUS: Ongoing, EPA.

- f. Until State resources become available, EPA will review the DMR-QA results and follow up with facilities. Utah DWQ will be copied on any follow-up.

STATUS: Ongoing, EPA.

- g. DWQ will incorporate approved compliance schedules and deadlines into enforcement actions such that these schedules and deadlines are enforceable under the NOV/Order.

STATUS: Ongoing.

- h. In cooperation with DWQ, EPA Region 8 may perform inspections in regional and national priority areas according to national guidance. EPA may conduct inspections and issue enforcement actions as appropriate and will advise, consult with, and coordinate with DWQ prior to such activity.

STATUS: Ongoing, EPA.

- i. As State resources allow, DWQ will work with EPA Region 8 to implement the National Wet Weather SNC Policy.

STATUS: Ongoing.

9. Concentrated Animal Feeding Operations (CAFOs) (Ongoing Don)

- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations". This will include continuing to submit Utah's annual AFO/CAFO Strategy report to EPA Region 8 by February 28th of each year, which is dependent upon continued funding of the agriculture partnerships.

STATUS: Ongoing. The report was sent to EPA Region 8 on February 2, 2012. A working draft of the Utah Strategy has been implemented, primarily through work funded by agreements with Utah State University Extension, Utah Farm Bureau, and the Utah Association of Conservation Districts. The strategy has included inspection of medium AFOs with potential to discharge.

- b. Maintain an inventory of all permitted CAFOs during FY2012.

STATUS: The inventory is maintained.

- c. Inspect at least 20% of the permitted CAFOs during FY2012. This will include, at a minimum, inspection of each permitted CAFO at least once during the life of its 5 year permit period.

STATUS: In FY2012, there were 56 permitted CAFOs in Utah, of which 12 permitted CAFOs were inspected, or ~21%.

- d. Inspect at least 20% of any unpermitted large CAFOs only to determine if they are discharging. This will include at a minimum, that each unpermitted large CAFO will be inspected during the next 5 years.

STATUS: Based upon the known large CAFOs and information from the agricultural partners report, DWQ estimates that there were 14 unpermitted large CAFOs in Utah for FY2012, of which DWQ inspected 3 or ~21%.

- e. All permits, inspections and appropriate enforcement data for permitted CAFOs are entered into ICIS. (hard copies of inspection reports and enforcement actions will be submitted to EPA Region 8).

STATUS: Ongoing. Permit, inspection and enforcement data are entered into ICIS with hard copies submitted to EPA R8 as appropriate.

- f. Include in the End-of-Year report for FY2012 (Don):

- i. Total known number of permitted CAFOs in Utah.

STATUS: 56

- ii. Numbers and percent of permitted CAFOs inspected.

STATUS: 12 permitted CAFOs inspected, which is ~21%.

- iii. Number of CAFOs that are determined to be discharging to waters of the State.

STATUS: Zero permitted CAFOs, and One un-permitted CAFO in FY12.

- iv. Number of enforcement actions taken against un-permitted facilities and permitted CAFOs, including:

- Number of Settlement Agreements

- For each case, any penalty amount assessed and collected

STATUS: One settlement agreement was finalized in FY12 with a permitted CAFO; Pyrenees Dairy and included a penalty amount of \$3,500, which was paid, but then recently the check bounced. Currently working the bank for collection procedures. One informal enforcement action was conducted in FY12 with an un-permitted facility; Meikle Dairy, where as a warning letter was issued to resolve the issue. No penalty amount was assessed in this case.

- v. Number of compliance assistance workshops, training sessions, and/or presentations given for AFO/CAFO operators and/or Ag organizations.

STATUS: None in FY12.

- vi. After rule revision and issuance of the next CAFO permit, Nutrient Management Plans for permitted CAFOs shall be tracked in ICIS.

STATUS: NMP information will be included and tracked in ICIS as required.

- vii. For unpermitted CAFOs the number of complaints received.

STATUS: One in FY12.

10. EPA will determine the number of inspections conducted at midyear (March 31, 2012) and end of year (September 30, 2012) by DWQ in each category above by pulling this information from ICIS. Any inspections, performed on or before March 31, 2012, but which do not appear in ICIS by April 30, 2012, will not be counted in the midyear numbers. Any inspections performed on or before September 30, 2012, but which do not appear in ICIS by October 31, 2012, will not be counted in the end of year numbers.
11. EPA Region 8 may propose to inspect, in consultation with the State, certain coal bed methane operations in Region 8 for compliance with the Clean Water Act.
12. Submit to EPA appropriate enforcement documents at appropriate times as follows:
 - a. NOVs as they are mailed to the violator. (Ongoing DWQ Staff)
 - b. DWQ will provide penalty calculations and all necessary background documentation to EPA for enforcement actions against major facilities and wet weather facilities (e.g. cases in priority areas; storm water, CAFOs, SSOs). The penalty calculations and background information should be sent to EPA before the information is shared with the facility to allow EPA to evaluate the proposed penalty. EPA will provide written comments on draft settlement documents and penalty calculations within seven calendar days from the date it is received. If no comments are received within the seven calendar day period the State will proceed to culmination of the enforcement action. (Ongoing DWQ Staff)
 - c. SAs for minor permittees and non-wet weather un-permitted facilities are sent to EPA after they are settled (Ongoing DWQ Staff)

STATUS: a, b and c above are all ongoing.

13. Federal Facility Inspections
 - a. Region 8 will ask DWQ to conduct single and/or multimedia inspections at federal facility NPDES majors with recurrent effluent violations. Region 8 will conduct these inspections if DWQ does not plan to conduct the inspections. Region 8 will ask authorized states to work with EPA to target federal facilities for multimedia inspections. DWQ will be asked to lead the NPDES portion of a multimedia inspection at the selected federal facility. If DWQ does not want to conduct the inspection, EPA will conduct the inspection in lieu of the State.
 - b. During FY12, EPA Region 8 may perform inspections at all Federal Facility construction sites that have been awarded contract dollars for site construction, in cooperation with DWQ inspectors.
14. 404 Enforcement Actions

EPA Region 8 will take the lead on 404 enforcement actions that have associated 402 violations, except where EPA determines combined cases may not be in the best interest of litigation.

UPDES Permit Activities

1. Implement the Phase II Storm Water Program.
 - a. Continue outreach/education activities. (Ongoing, all SW staff)

- b. Encourage DWQ staff, District Engineers and municipal and county staff to assist with inspections as allowed by time and resource constraints. (Ongoing, all SW staff)

STATUS: a & b above are ongoing.

- c. In FY12, DWQ will conduct at least one Phase I MS4 audit.

STATUS: One Phase I MS4 Audit was completed with EPA R8.

- d. In FY12, DWQ will continue to implement their audit and inspection plan for Phase II MS4s to ensure that compliance determinations for these programs are completed by a target date of September 30, 2015, as state resources allow. The audit and inspection plan was submitted to EPA Region 8 for review and comment on or before March 31, 2009. This plan is subject to change as agreed to by EPA and DWQ.

STATUS: Ongoing.

2. Implement the Utah AFO/CAFO strategy.

- a. Implement the new EPA CAFO rules in Utah within FY 2012, and provide progress on adoption of the 2008 final CAFO rule to EPA. (Ongoing, Don).

STATUS: With the new EPA CAFO Rule changes effective in June 2012, DWQ plans to have new state rules in place in early 2013 with major efforts continually ongoing.

- b. Issue a new CAFO UPDES General permit within six months of promulgation of State rules, (Don).

STATUS: DWQ plans to issue the new CAFO permit within six months following rule promulgation in early 2013.

4. Utah Sewer Management Program (USMP)

- a. During FY12 Utah intends to implement a comprehensive state-wide permit program for the planning, operation and maintenance of all public wastewater sewer collection systems. Utah will report to EPA on the status of program implementation in the FY12 End of Year Report. (John Kennington)

STATUS: The Utah Sewer Management Program was started on October 1, 2012.

3. Reasonable Potential Process

- a. Utah will continue to develop the process/procedures for RP consistent with 40 CFR 122.44(d) and will have a target date of July 1, 2012 for full implementation of the program. (John Kennington, Mike Herkimer)

STATUS: A revised RP policy is in the final stages of development.

4. Priority Permits

- a. Utah will continue to emphasize the development of permits which appear on the EPA Priority Permits list, specifically targeting the permit issuance commitments for the current fiscal year. (Jeff Studenka, John Kennington)

STATUS: Ongoing.

TMDL/WATERSHED

EPA OBJECTIVE 2.2: Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Accomplish an effective program for completion and implementation of TMDLs.
 - b. Complete and track scheduled TMDLs for listed waterbodies according to approved TMDL submission pace. (Semi-annual in May and November, Carl Adams) Any waters listed will comply with EPA guidelines to complete TMDLs within a 13 year time frame. **(WQ-8)**

According to current estimates of listed waters on the 2010 IR that will result in TMDLs and the requirement to complete TMDLs within 13 years since first listing, an average of 3 TMDLs will need to be completed per year beginning with 2011. The Division anticipates completing 3 waterbody/pollutant combination TMDLs by the end of FY 2012.

STATUS: Approval for the Emigration Creek TMDL was received from EPA on July 18, 2012. The Emigration Creek TMDL (UT16020204-012) is the first in Utah established for E. coli. In addition, the Phase 1 Jordan River TMDL was submitted to EPA for approval on October 4, 2012. This TMDL was established for organic matter on three segments of the lower Jordan River (UT16020204-001, -002 and -003) to address its dissolved oxygen impairment.

2. Monitor implementation activities for completed TMDLs by establishing implementation milestones and tracking their completion. Tracking reports will be updated annually on January 15. (Carl Adams)
STATUS: TMDL implementation tracking is ongoing by DWQ TMDL coordinators. Information on implementation activities is provided from several sources including 319 funded Local Watershed Coordinators, partner agencies such as the Dept. of Natural Resources, Utah Dept. of Agriculture and Food, and NRCS' EQIP funding.
3. Determine the number of waterbodies on the 2002 303(d) list that have EPA approved TMDL, 4b, or 5m documents **(WQ-21)**.
STATUS: The number of waterbodies on 2002 303(d) with EPA approved TMDL, 4b, or 5m documents (WQ-21) is 80. This is 3 more than reported in 2011 to include the three TMDLs approved for Pariette Draw for TDS, Selenium and Boron.
4. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet contractual obligations via quarterly reports. (Ongoing Carl Adams & Stacy Carroll).
STATUS: Contract tracking is ongoing. Responsible staff coordinate on a regular basis to ensure sufficient funding to complete required work.
5. Implement the watershed approach to effectively and efficiently support the development and implementation of TMDLs in Utah for impaired waters according to the approved 303(d) list.
STATUS: Section Staff are actively implementing the watershed approach throughout the State in support of TMDL implementation and development activities. Focus areas for TMDL implementation this in 2012 took place in the Weber River Watershed, and focused mainly on East Canyon Creek. The targeted basin for the upcoming year is in the Uinta Basin. Current focus areas for TMDL development include the Rockport-Echo Reservoir Watershed in the Weber River watershed for low dissolved oxygen and completing the Colorado River TMDL for Selenium.
6. Continue to implement the Nonpoint Source Program based on strong State and local institutional capabilities using the Watershed Approach in support of TMDL development.

Measures:

- a. Conduct a review of the NPS Management Program jointly with key partners and stakeholders to improve the 319 funding process and strengthen overall program operation and management.

STATUS: An independent evaluation of the Nonpoint Source Program by Utah State University is nearing completion. This evaluation focuses on the administrative infrastructure of the program and an evaluation of improvements to water quality as a result of NPS project implementation. A summary of key findings has been provided with the draft of the complete study due by the end of December 2012. The findings from this study will be incorporated into the revised Statewide NPS Management plan that will be submitted to EPA in 2013.

- b. Update GRTS annually by entering annual progress report information according to January 1st deadlines. (NPS Plan Task 33)

STATUS: This task is ongoing and on schedule. The GRTS entry was previously performed by 319 funded staff at UDAF but will be now performed by DWQ staff due to recent and anticipated budget cuts.

- c. Submit NPS Annual Report by January 31 of each year. (NPS Plan Task 34)

STATUS: This task is ongoing and on schedule. An improved means of using the NPS Annual report for outreach to local and state policy makers is planned for the upcoming year.

- d. Complete the Abandoned Mine component to the state's NPS Management Plan and submit to EPA for review by March 31, 2012.

STATUS: The Abandoned Mine component to the State's NPS Management Plan has been completed and approved by EPA.

- e. Participate with UDWR through its Blue Ribbon Fishery and Habitat Council programs in the acquisition/protection of stream corridors.

STATUS: No acquisitions were completed in 2012. Several stream restoration projects utilizing State and Federal Nonpoint Source funding have been used in coordination with Blue Ribbon and Habitat funding in the Price River, Strawberry River and Upper Sevier River watersheds.

- f. Report non-319 funding in watershed protection and restoration projects in project annual and final reports. (NPS Plan Task 34)

STATUS: These data have been gathered from NRCS, UDWR, UDAF and will be reported in the 2012 Annual Report for the NPS Program.

- g. Obtain 319 project final reports from project sponsors and coordinate with EPA to obtain concurrence for grant closure in a 5 year time frame.

STATUS: Closure of the FY-06 NPS grant was completed, and the process of closing the FY-07 funds has begun.

- h. Implement best management practices appropriately and effectively and achieve natural resource improvements for 319 NPS Watershed Projects. Obtain available information of reductions in nonpoint source loadings for sediments, nitrogen and phosphorus, and improvements in water quality. Report load reduction and water quality information in project annual reports (GRTS), project final reports and NPS Program annual report. (NPS Plan Tasks 2, 6, 36 & 40, WQ9)

STATUS: This task is ongoing. Information is included in project final reports, in annual project evaluation reports, reported in the GRTS database and summarized in the NPS Program Annual Report.

- i. Number of watershed-based plans and water miles or acres covered, supported under State NPS Management Programs since beginning of FY-2002 that have been developed and number of watershed-based plans are being implemented per information reported in GRTS. (WQ-27)

STATUS: For FY-2012 a watershed based plan for Main Creek/Wallsburg was completed bringing a total of 19 watershed based/TMDL Plans. Planning efforts are expected to be completed in the Duchesne River watershed by early 2013.

- j. Report the number of waterbodies identified (in 2000 or subsequent years) as being primarily nonpoint source (NPS)-impaired that are partially or fully restored. Target for FY-2012 is 2 watersheds (East Fork Sevier River and Fremont River). (WQ10)

STATUS: A success story has been submitted for East Canyon Creek and is awaiting approval from EPA. Another story for the Cub River is in progress and is expected to be submitted in 2013.

- k. Report the number of developed Watershed Plans and identify those in progress. (NPS Plan Task 4)

STATUS: Nineteen watershed plans are developed and currently thirteen are being implemented including: Upper, Middle (including Cutler Reservoir) and Lower Bear River, Cub River, East Canyon Creek, Chalk Creek, San Pitch River, Price River, Upper and Middle Sevier River, East Fork Sevier River, Duchesne River and Pariette Draw.

- l. Report the number of watershed steering and (or) technical advisory committees formed and functioning during past year. (NPS Plan Tasks 9 & 10)

STATUS: Approximately 25 local watershed committees are organized and functioning with DWQ in the development and implementation of TMDLs. Local chairs and sponsors vary including counties, Conservation Districts and Water Conservancy Districts.

- m. Report the number of priority NPS watershed areas where EQIP funds are used to implement conservation projects. Report allocation of EQIP funds to 303(d) waters and approved TMDL watersheds. (NPS Plan Task 34)

STATUS: These data have been requested from NRCS and will be reported in the 2012 NPS Program Annual Report. The NRCS has consulted with UDWQ on where funding from the Water Quality Initiative funding should be spent. In 2012 it was used in the South Fork of Chalk Creek, and the Bear River Basin. In 2013 they will use it in the Uintah basin, in conjunction with the targeted basin funding cycle.

- n. Report the number of priority watershed coordinator positions developed and functioning according to DWQ contract work plans. (NPS Plan Task 9)

STATUS: Eight local watershed coordinator positions are in place and functioning with contracts with DWQ. One of these positions, the Jordan River coordinator is funded as part time / work share in cooperation with the local sponsoring agency. The remaining coordinator positions in the Middle/Lower Bear River, Upper Weber River, Uinta Basin, San Pitch River, Middle Sevier River, Upper Sevier River and West Colorado River watersheds are funded as full time positions. The West Colorado position has recently been vacated and we are planning to re-locate the position to Cedar City and focus on implementing approved TMDLs in the upper Virgin and Cedar/Beaver River watershed management units.

ENGINEERING

1. Maintain a successful underground wastewater disposal system program for individual and small community wastewater treatment and disposal.

STATUS: Ongoing.

- a. Maintain a positive working relationship with the Local Health Departments (LHDs) and meet monthly, as needed (COWP meeting). (Ongoing)

STATUS: Ongoing.

- b. Continue work with Utah State University (USU) to provide an effective training, certification and continuing education program. (Ongoing)

STATUS: Ongoing.

- c. Work with the on-site wastewater committee to revise the regulations governing the design and construction of onsite systems. (Ongoing)

STATUS: Ongoing.

2. Maintain a CWSRF cumulative fund utilization rate of over 95%. (Ongoing)

STATUS: Ongoing.

3. **Report of Success: All of the Engineering objectives have been met or exceeded as follows:**

- a. **DWQ continues to maintain good working relationship with the Local Health Departments (LHDs). We are currently working on updating R317-4, and are now holding stakeholder meetings regarding the draft rule revisions. DWQ staff also conducted a field "ride along" with over one-half of the LHDs. A health officer was added to the Water Quality Board effective at the June 2008 meeting. Work is continuing with Utah State University (USU) on its excellent onsite training program.**

- b. **Current cumulative fund utilization rate for the CWSRF is 99%, all ARRA monies have been spent and the remaining ARRA projects are in closeout.**

GROUND WATER PROTECTION

EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

1. Maintain an effective Underground Injection Control Program per agreement with EPA. The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ) certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program under Section 1422 of the Safe Drinking Water Act (1422 UIC Program) in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents. As long as the Utah DWQ maintains a 1422 UIC Program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region 8 and the Director of the Utah DWQ agree this Agreement shall remain in effect, except as amended through mutual agreement. Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program activities (40 CFR Parts 144 and 147) to adequately maintain its 1422 UIC Program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements. Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program reports itemized in Table I.

STATUS: Ongoing

2. USEPA agrees to provide the following support to the Utah 1422 UIC Program:

- a. One annual midyear review of Utah 1422 UIC Program.

STATUS: The 2012 mid-year review was conducted via teleconference on April 24, 2012 between Candace Cady and Rob Herbert of Utah DWQ, and Jason Deardorff of EPA Region 8.

- b. Technical training, as appropriate and as funds allow.

STATUS: Ongoing

- c. Seventy-five percent (maximum) of funds necessary to operate the core State 1422 UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions.

STATUS: Ongoing

3. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core program, the DWQ 1422 UIC Program agrees to:

- a. Evaluation of core program effectiveness, reported in the semi-annual and annual narrative program report to the Administrator. (See Table 1 for specific reporting dates – Semi-Annual and Annual Narratives – Candace Cady).

STATUS: Ongoing

- b. Enforce the 1999 Class V Rule regarding motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). MVWDWs and LCCs are closed as they are identified. Priority is given to identifying these wells within groundwater-based source water protection zones as delineated by the Utah Division of Drinking Water, Source Water Protection Program. (See Semi-Annual and Annual Narratives for details. (Ongoing, Candace Cady))

STATUS: Ongoing

- c. Identify and report the number and percent of injection wells that are used to inject industrial, municipal, or hazardous waste (Class I) wells that fail mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs. EPA Region 8 FY12 PAM SDW-7a target is 95%.

STATUS: Ongoing

Report:

- Number that lose mechanical integrity.
- Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

- d. Identify and report the number and percent of injection wells that are used for salt solution mining (Class III) that lose mechanical integrity and maximize the number that are returned to compliance within 180 days, thereby reducing the potential to endanger USDWs. EPA Region 8 FY12 PAM SDW-7c target is 95%.

STATUS: Ongoing

Report:

- Number that lose mechanical integrity.
- Number that lose mechanical integrity that are returned to compliance within 180 days, expressed as numerator over denominator.

- e. Identify and report High Priority Class V wells identified in sensitive ground water protection areas* and maximize the number that are closed or permitted thereby reducing the potential to endanger underground sources of drinking water. EPA Region 8 FY12 PAM SDW-8 target is 85%.

STATUS: Ongoing

Report:

- Number of high priority Class V wells in sensitive ground water protection areas that have been identified, and the number closed or permitted in FY12 reporting period.

* Although Utah has not formally delineated "other sensitive ground water areas" throughout the state as defined by the December 7, 1999 final rule, the 1422 UIC Program will continue to prioritize the identification, reporting, and return-to-compliance of MVWDW and other high

priority wells within Source Water Protection Zones and other areas, although not formally delineated, where risk to human health and vulnerability to ground water contamination is recognized.

- f. Ensure Utah UIC Program monitoring activities are performed according to the EPA-approved Utah DWQ Quality Assurance Plan for the UIC Program (July 5, 1990).

STATUS: Ongoing

- g. Track EPA's development of rules for carbon sequestration. (Candace Cady).

STATUS: Completed

- 4. To encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.

- a. Description of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (See Table 1 for specific reporting dates - Semi-Annual and Annual Narratives – Candace Cady).

STATUS: Ongoing

- b. Description of all outreach activities intended to inform local government groups, local health departments, public works departments, private sector groups, civil groups, etc. about the 1999 Class V rule regarding the closure of motor vehicle waste disposal wells (MVWDWs) and large capacity cesspools (LCCs). (See Annual Narrative – Candace Cady).

STATUS: Ongoing

- 5. Electronic Submittal to the National UIC Database

The Utah Automated Geographic Reference Center will continue working with DWQ on the development and implementation of a tool that will access the National UIC Database Schema and Schematron validation web service in real time as we are editing our database. This will greatly improve the quality of data entered into the database and improve the efficiency of our reporting by ensuring that all data entered into Utah's UIC Geodatabase meets the validation rules for submittal to the National UIC Database.

Priority for entering this data is as follows:

- 1. all active facilities permitted,
- 2. all active facilities inventoried since January 2003,
- 3. all inactive facilities inventoried since January 2003,
- 4. all inactive facilities permitted,
- 5. all historical (pre-January 2003) facilities - active and inactive,

It is the goal of DWQ to opt out of traditional reporting within six months after its successful submittal of FY12 annual reporting information.

Table 1 - UIC FY12 Reporting Requirements*

<u>Due Date</u>	<u>Reporting Cycle</u>	<u>Report Required</u>
<u>January 20</u> (1 st Quarter Date)	Quarterly	Quarterly Exceptions List (Form 7520-4)
April 20 (2 nd Quarter Date)	Quarterly, Semi-Annual	<p><u>Quarterly</u> Quarterly Exceptions List (Form 7520-4)</p> <p>Semi-Annual Compliance Evaluation and Enforcement (Form 7520-2A) Significant Non-Compliance and Enforcement (Form 7520-2B) Inspections, and Mechanical Integrity Testing (Form 7520-3) Program Activity Measures (PAMs) Electronic Spreadsheet Report OR "Extra Reports" Class V Activities Narrative</p>
July 20 (3 rd Quarter Date)	Quarterly	Quarterly Exceptions List (Form 7520-4)
October 20 (4 th Quarter Date)	Quarterly, Semi-Annual, Annual	<p><u>Quarterly</u> Quarterly Exceptions List (Form 7520-4)</p> <p>Semi-Annual Compliance Evaluation and Enforcement (Form 7520-2A) Significant Non-Compliance and Enforcement (Form 7520-2B) Inspections, and Mechanical Integrity Testing (Form 7520-3) Program Activity Measures (PAMs) Electronic Spreadsheet Report OR "Extra Reports"</p> <p>Annual Permit Review and Issuance, AOR (Form 7520-1) Annual Program Narrative Class V Inventory Progress</p>
December 31	Annual	Final Financial Status Report (FSR)

*Once the State and EPA have determined that electronic reporting has been successfully implemented during FY 12, paper reporting (including 7520s) will no longer be necessary.

STATUS: Utah DWQ successfully reported to the National UIC Database on March 8, 2012. In a letter dated May 16, 2012, EPA Region 8 Water Program Director Sadie Hoskie confirmed that Utah DEQ has successfully transitioned to electronic reporting through the UIC National Database and will no longer have to submit the annual, semi-annual, and quarterly 7520 summary reports, the annual and quarterly PAMs reports, and the annual inventory reports. EPA Region 8 will work with Utah DWQ to resolve data quality issues with each quarterly submittal of electronic data and both agencies will use and manage the data in accordance with the executed Trading Partner Agreement.

6. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY12 Division of Water Quality/Goals and Objectives.

Measures:

- a. End-of-year report as required by EPA grant on achievement of FY12 DWQ/Ground Water Program Goals and Objectives. (Rob Herbert due 9-1-12)

STATUS: Completed

7. Continue participation in the Ground Water Protection Council National Ground Water Strategy Committee with EPA Headquarters, Regions, and States. The intent is to help EPA develop a national strategy for refocusing EPA and States efforts on ground-water protection. (Ongoing)

STATUS: Ongoing

WATER QUALITY MANAGEMENT

EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

EPA OBJECTIVE 2.2: Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

1. Implement an assessment program for the waters of the State through development and submission of the *Integrated Report (IR)*.

Measures:

- a. Submit the 2012 IR to EPA for comment, review and approval of the §303(d) list of impaired waters.
- b. Update the EPA Assessment Database, (ADB, version 2 or later) with modified assessment results. Collaborate with EPA on adding additional metadata to assist with grouping results into watershed management units. Also, DWQ will work with EPA on modifications to the assessment result tables to allow them to be exported in a more easily edited, non-HTML, format. **(WQ7)**
- c. Report all statewide findings derived from randomly selected sites on the spreadsheet provided as an appendix of EPA's guidance memorandum for the 2012 IR.
- d. In collaboration with EPA, develop a plan for modifying analytical methods and reporting for the 2012 IR. In particular, this plan will emphasize: revisions to assessment methods (see below 1(d)), better integration of the 305(b) report and 303(d) list with the ADB, and edits to the text of reports to more effectively convey WQ status and concerns to our stakeholders.
- e. Revise assessment methods to: 1) accommodate DWQ's newly adopted tiered monitoring strategy, 2) describe approaches for the use of randomly selected sites for 305(b) reporting, and 3) to more accurately assess biological uses support of Utah's reservoirs. Document these assessment method changes and submit them for formal public comment.
- f. Report the number of waterbodies identified in 2002 (baseline) as not attaining water quality standards where standards are now fully attained. (cumulative) **(SP-10)**

- g. Report the specific causes of waterbody impairment identified by states in 2002 (baseline). (cumulative) **(SP-11)**
- h. Develop and implement, to the extent practicable, a more consistent nomenclature and numbering system (i.e. NHD+) for linking Assessment Units (AUs) with designated uses, water quality standards, and completed TMDLs. Update the ADB with any modifications to AU uses.
- i. Develop more effective and transparent methods for tracking and documenting assessment analyses and results.
- j. Provide, as Appendixes to the 2012 IR, a Level 1 baseline (atlas) assessment of Great Salt Lake Wetlands **(WT-4)** and other updates for Great Salt Lake monitoring and assessment efforts.
- k. Report the number of impaired watersheds (at the 12 digit HUC scale), where water quality conditions improve (cumulative). The target measure estimated for the target for 2012 is 4. (Note: Improved means that one or more of the impairment causes identified in 2002 are removed for at least 40 per cent of the impaired assessment units or impaired miles/acres.) **(SP-12)**
- l. Develop a list of priority watersheds at the 12-digit HUC scale.

STATUS: Report for 2008 and 2010 were finalized and completely submitted to EPA. The 2012 IR has been delayed due to a database migration that remains incomplete. Water quality data have been largely unavailable and of questionable accuracy, which makes development of these reports impossible.

- 2. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

Measures:

- a. Continue to compile a list of potential water quality standards revisions to be included in the upcoming triennial review, including: clarification of biological assessment uses, a CWA §401 policy, further antidegradation revisions, nutrient criteria (see *Water Quality Management*, Section 4), and appropriate modifications to Great Salt Lake standards (see *Water Quality Management*, Section 3). **(WQ3 & WQ4)**

STATUS: Ongoing.

- b. Complete the 2011 triennial review and standards changes to EPA for approval (March 2012). **(WQ3 and WQ4)**

STATUS: DWQ completed the triennial review and the revisions to Utah's standards have subsequently been approved by EPA.

- c. Revise Utah's nutrient (TN and TP) reduction strategy, including a plan for the development and implementation of nutrient criteria. **(WQ-1c)**

STATUS: A detailed outline that describes Utah's proposed approach was developed and circulated among stakeholders for comment. DWQ is currently incorporating comments into final proposal, which will continue to be circulated among stakeholders.

- d. Continue to meet with Utah's Nutrient Stakeholder Workgroup on outreach efforts in support of Utah's nutrient reduction strategy. **(WQ-1c)**

STATUS: DWQ continues to convene this workgroup on a regular basis. Meeting minutes and agendas can be found at www.nutrients.utah.gov.

- e. Continue to collaborate with the water quality standards workgroup(s) of stakeholders and partners on continued WQS revisions.

STATUS: Ongoing.

- f. Develop and publicize a plan for the implementation of the recently revised methyl mercury criteria

STATUS: Ongoing.

- g. Continue to work with EPA and other interested stakeholders on revisions to Utah's antidegradation procedures, particularly with regard to their use in association with general permits and procedures for categorical protection of waterbodies.

STATUS: Ongoing. DWQ has convened a stakeholder workgroup for continued work on this guidance. Status has been slow due to other priorities, but a meeting has been scheduled for December 2012 to reinvigorate this process.

- h. Document modeling procedures for the application of standards to UPDES permits through Waste Load Analyses.

STATUS: DWQ has completed drafts of several reports to improve the transparency of WLA processes. A technical white paper that summarizes a couple of years of research to recommend calibration procedures and monitoring approaches for Qual2K models was finalized on 12-12-12. Another document was completed that provides a Sample and Analysis Plan (SAP) for field collections of WLA data. Finally, a forth document describes general considerations and procedures for Waste Load Analyses. All of these documents are available online.

- i. Development of rules, policies, and procedures to ensure protection of Great Salt Lake and its surrounding wetlands.

STATUS: Ongoing.

- j. Develop and detailed water quality management strategy for Great Salt Lake (GSL)—in collaboration with EPA and other interested stakeholders—that identifies an overarching strategy toward rigorous and defensible standards and assessment methods for the ecosystem. This plan will document specific tasks and identify roles and responsibilities of DWQ and EPA staff to complete key interim goals.

STATUS: DWQ, in collaboration with Region 8 EPA, completed a detailed water quality strategy for Great Salt Lake. Among other things, this document provides a framework for baseline monitoring, describes a process for the development of numeric criteria for toxics, identifies research needs, and recommends an approach for outreach and communication.

- k. Continue numerous efforts to encourage collaboration among DWQs sister State and Federal agencies with related management responsibilities for GSL. In particular, work to ensure that water quality is emphasized by the Governor's newly created GSL Advisory Council and is included in the GSL Management Plan under development by Utah's Division of Natural Resources (DNR).

STATUS: Ongoing. This year DWQ assisted the council with the development of two reports: 1) the economic importance of GSL and 2) the overall health of the lake. Details of the advisory councils meetings can be found at: <http://www.gslcouncil.utah.gov/index.htm>.

- l. Continue ongoing research activities to better understand the condition of GSL's beneficial uses and associated water quality concerns, including: 1) finalization of a paleolimnology study to quantify historic conditions, 2) finalization of the first phase of a remote sensing project to better understand spatial and temporal patterns of algae blooms, 3) development of specific recommendation for a hydrodynamic models that will allow DWQ to quantify the fate and transport of pollutants within and among the lake's major bays, and 4) revisions to the existing selenium trophic transfer model.

STATUS: 1) A draft of the paleolimnology report is complete and available for review. 2) all available satellite images have been compiled and integrated into a common file/format. 3) DWQ is collaboration with the GSL advisory council is pursuing legislative funding to instigate this work. 4) Ongoing (see n below).

- m. Complete an extensive review of existing and previous data collection efforts conducted by scientists outside of DWQ. Use data obtained from these surveys to develop a comprehensive 10-year monitoring strategy for the GSL and its surrounding wetlands.

STATUS: Complete. A monitoring strategy was developed in association with the Great Salt Lake water quality strategy. However, finalization of a 10-year approach is not currently tenable due to the need to be flexible in light of significant analytical certainty.

- n. In collaboration with EPA, develop a specific strategy to assess GSL for mercury-related impairments for the 2012 *Integrated Report*. Identify effective methods to fill key data gaps. Actively seek resources to meet data requirements.

STATUS: Significant mercury work remains underway by DWQ and collaborators. In particular DWQ worked with the US FWS to collect both Hg and Se from hundreds of eggs around the lake. DWQ has also been working with EPA Region 8 to obtain Hg and Se from wetland macroinvertebrates.

- o. Continue to collaborate with EPA on the 401 certification for Great Salt Lake minerals.

STATUS: GSLM is modifying their expansion plans to much of this 401 work is currently on hold. In the interim, Utah DWQ recently entered into a collaborative monitoring agreement with GSLM to better characterize their discharge. These data will provide unprecedented information about this aspect of their operations. These efforts also allowed DWQ to settle an outstanding legal challenge to this permit.

- p. As resources allow, continue to develop and implement monitoring and assessment methods for GSL wetlands.

STATUS: DWQ applied for and was awarded an EPA wetland development grant that has allowed significant advancement in our wetland program. This year we completed a survey of 50 randomly selected "impounded" wetlands that will allow us to finalize an assessment model and assess the health of these important ecosystems for inclusion in Utah's Integrated Report. Efforts are also underway to develop assessment techniques for other wetland classes.

- q. Modify Utah's Water Quality Standards whenever appropriate to accommodate ongoing development of water quality programs for GSL.

STATUS: Ongoing (see also a-g)

- r. Development of numeric nutrient criteria and associated implementation procedures (WQ-1c).

STATUS: Ongoing. DWQ has completed a multi-year study to develop numeric nutrient criteria. Six technical chapters describing these results have been written and are currently under technical review. DWQ anticipates that these reports and proposed implementation procedures will be finalized early in 2013.

- s. Revise classification models to incorporate recently collected reference site data.

STATUS: A classification scheme has been developed and evaluated with respect to nutrient criteria development, but DWQ remains unable to identify clearly discrete classes. In collaboration with USU a model was also developed to predict background concentrations of P and N.

- t. Begin development of numeric criteria for phosphorous, nitrogen and algal response (e.g., chl-a, secchi disc measures) with clear ties to aquatic life or recreation uses for lakes/reservoirs.

STATUS: Ongoing. DWQ anticipates proposing numeric criteria and indicators in 2013.

- u. Begin development of assessment methods that specify how chemical and biological monitoring data—collected from both screening and intensive monitoring tiers—will be used to support nutrient criteria.

STATUS: DWQ has developed a proposed approach that is currently being vetted by EPA and other stakeholders.

- v. Begin development of data collection and analytical methods for the purpose of generating site-specific nutrient criteria to allow modification of regional criteria whenever empirical evidence suggests that changes are needed to accommodate unique site characteristics.

STATUS: DWQ has developed field and analytical methods to inform site-specific standards using both empirical and mechanistic models. These approaches and associated SOPs will be incorporated into a technical report to be released early in 2013.

- w. Begin development of appropriate procedures for implementation of numeric nutrient criteria.

STATUS: A monitoring and assessment approach has been proposed and is currently being circulated among stakeholders.

- x. Convene a focused stakeholder group to provide input through the development of nutrient criteria and associated implementation programs.

STATUS: A group has been convened and meets on a regular basis (see www.nutrients.utah.gov).

- y. Begin development of a process and associated rule (i.e., variance policy, temporary modification) for implementing numeric nutrient criteria among existing point sources in a manner that is economically tractable, ecologically appropriate, and consistent with CWA rules and regulations.

STATUS: Ongoing.

- z. Work with contractors to complete the economic valuations of the net costs and benefits of implementing nutrient criteria. Complete tools that quantify the economic impacts anticipated for individual watersheds or facilities.

STATUS: The study is complete and a final report is anticipated in January of 2013.

3. Develop and implement a long-term biological assessment program (WQ-3):

Measures:

- a. Develop an annual biological monitoring strategy that best balances the programmatic needs of stakeholders. Make the list of sites available for review and incorporated into the annual monitoring strategy. (update date - May 15, 2011) (WQ5)

STATUS: Complete and an update is anticipated in 2013.

- b. Develop outreach materials (i.e., website, fact sheets, reports) to more completely describe Utah's biological assessment program to our stakeholders.

STATUS: Ongoing.

- c. Collect physical habitat, macroinvertebrate, and periphyton samples at ~74 streams annually to provide the data necessary to augment assessment tools and fulfill long-term, TMDL and 303(d) assessment needs. (September-October, 2010)

STATUS: Ongoing. DWQ was only able to visit about 50 sites this year due to resource demands on our wetland program and the national lake assessment. However, data from both of these efforts will be used to expand DWQ's monitoring to resource classes beyond streams.

- d. Digitize both field and laboratory data and store in a readily accessible database. (ongoing)
STATUS: DWQ has made significant progress in entering and analyzing habitat data and is developing tools to conduct habitat assessments.
- e. Collect periphyton samples at all biological monitoring sites and preserve them such that diatoms can be enumerated and identified. (September-October, 2010)
STATUS: Ongoing. DWQ hopes to finalize assessment methods for algae in 2013.
- f. Develop stressor-specific tolerance values and associated quantification tools to help determine likely causes of observed biological degradation. Focus initially on developing methods of identifying nutrient-related impacts to stream biota.
STATUS: DWQ developed nutrient-related thresholds for macroinvertebrates, which will be included in technical documents slated for distribution in early 2013.
- g. Develop methods of applying existing biological assessment tools to analytical approaches used to extrapolate assessment results from randomly selected sites to streams statewide.
STATUS: Complete. DWQ has developed these analytical methods as well as tools for better understanding the extent and relative risk of several potential stressors for stream ecosystems.
- h. Develop assessment methods that better integrate biological and chemical assessment methods to provide an overall assessment of aquatic life beneficial use support for Utah's streams.
STATUS: Ongoing.
- i. Compile and utilize existing biological data to create preliminary site assessments and include these assessments in the 2010 Integrated Report.
STATUS: Complete.

MONITORING

EPA OBJECTIVE 2.1: Reduce human exposure to contaminants in drinking water, fish and shellfish, and recreation waters, including sources waters.

EPA OBJECTIVE 2.2: Protect and Restore Watershed and Aquatic Ecosystems.

Protect the quality of rivers, lakes, streams and wetlands on a watershed basis, and protect urban, coastal, and ocean waters.

- 1. Continue phase-in of re-tooled Monitoring Program for Utah Division of Water Quality according to established schedules (WQ-5)
- 2. Conduct Tier 1 (probabilistic), Tier 2 (targeted) and Tier 3 (programmatic) monitoring on a rotating basin schedule
 - a. Tier 1 Monitoring: Probabilistic
Assess biological, chemical and physical integrity of waters of Bear River Basin utilizing selected core and supplemental indicators
STATUS: Complete

Participate in National Lakes Survey (Summer 2012, Jim, Emily Bartusek, Ben Brown)
STATUS: Complete
 - b. Tier 2 Monitoring: Targeted

Complete intensive targeted monitoring in Jordan-Utah Lake basin
STATUS: Complete

c. Tier 3 Monitoring: Programmatic

1. Continue to implement a statewide mercury in fish tissue monitoring component as part of the long-term monitoring strategy as funding is available. (John Whitehead, Ongoing)
 - a. Utilize established workgroup to provide guidance and recommendations for the mercury monitoring program. (John Whitehead, Ongoing)
 - b. Participate in the issuing of mercury fish consumption advisories as needed. (John Whitehead Ongoing)
 - c. Participate in triennial review preparations/discussion pertaining to Hg.
2. TMDL monitoring
 - a. Discharge in large rivers

STATUS: Ongoing in major basins during Targeted Monitoring

- b. Microbial source tracking

STATUS: Completed Monitoring in Jordan River Watershed, Virgin River, Big Water Investigation

3. Surface Water Compliance
 - a. Increased DMRs
 - b. QUAL2K

STATUS: Ongoing as part of permit renewal process

4. Groundwater monitoring.

STATUS: Ongoing

5. NPS Effectiveness Monitoring

STATUS: Ongoing

- a. Long-term monitoring stations

STATUS: Will begin benchmarking a planning in early 2013

6. E. coli cooperative monitoring

- a. Continue implementation of monitoring program for *E. coli* to facilitate more rigorous assessment of recreational beneficial uses (Jim and Sandy, ongoing)

STATUS: Ongoing

3. Finalize effort to revise, overhaul and implement quality assurance system for water quality division including QAPPs, SOPs, annual monitoring plans, and new documentation requirements for continuous monitoring.
 - a. Finalize and distribute overhauled quality assurance system for water quality division
 1. QAPPs
 2. SOPs

3. New documentation requirements for continuous monitoring
4. Develop and web post Annual Monitoring Plan to include schedule, site locations, monitoring activities, responsible entities, and special studies for meeting program objectives in the SMP. Draft on website: 02/01/2011

STATUS: Ongoing. Documentation should be published early 2013

- b. Training in revised SOPs and QAPPs

STATUS: Ongoing

4. Complete development and initiate roll-out of data management tools based on WQX, AQWMS, ATTAINS

- a. Data management tool roll-out and deployment within water quality division

1. WQS
2. AQWMS
3. ATTAINS

STATUS: Exchange network grant work elements completed Fall 2012

- b. Training

STATUS: Ongoing

5. Integrate monitoring strategy elements to full operating levels, including publication of final monitoring strategy and annual monitoring plan for public comment; ongoing maintenance of cooperative monitoring/statewide monitoring council, and monitoring- related website elements

- a. Finalize monitoring strategy and place on website for public comment

STATUS: Ongoing. Documentation should be published early 2013

- b. Continue promotion, chairmanship and support of the Statewide Monitoring Council to facilitate coordination of monitoring activities and special studies by local state and federal agencies as well as researchers and volunteer monitoring groups. (Jim/ Rob B.)

1. Equipment and supplies
2. Training
3. Data management

STATUS: Ongoing

- c. Maintain water quality monitoring council website

STATUS: Ongoing.

6. Goal: Participate in design, development and implementation of Great Salt Lake short-, mid- and long-term Monitoring Plan

- a. GSL monitoring plan
 - Design and implement Great Salt Lake Assessment, phase 1: 2012 IR target
 - Collaborate on revision of GSL assessment framework (nutrients, Hg)

- Monitor for MMI GSL impounded wetlands
- Conduct selenium monitoring
- Purchase necessary equipment
- Plan for and provide additional training

STATUS: Completed first Probabilistic survey of Impounded wetlands. Ongoing monitoring of Bear River Bay

SPECIAL STUDIES

1. Continue to chair the Statewide Mercury Work Group. (John Whitehead) (FS-1a)
2. Ongoing data collection on Willard Spur in support of Science Panel and DWQ effort to develop standards for fringe class wetlands.

STATUS: Ongoing.

OFFICE OF PLANNING & PUBLIC AFFAIRS

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<u>ENVIRONMENT</u>	
		GOAL #1: Partner with the Department and Divisions in planning and policy initiatives.	
		1. Provide planning support for UDEQ initiatives and, on request, to statewide initiatives.	<p>a. Process for completion of FY2011 PPA is successfully coordinated and final document is submitted to EPA. b. Process for completion of End-of-Year Report for FY 2010 PPA is coordinated with Divisions and is submitted to EPA. c. Process for completion of the three-year Local Health Department contracts is coordinated and the contracts are signed. d. As opportunities arise, UDEQ is represented in meetings and information is coordinated through appropriate Department channels.</p> <p>STATUS: PPA and End of Year Reports were coordinated with EPA and submitted. Local Health Department contracts were coordinated and signed. Due to budget constraints, only a one year contract was signed.</p>
		2. Provide policy support for initiatives that are led or supported by UDEQ.	<p>a. Assistance is provided in developing strategies to identify issues and encourage stakeholder participation. Informational and outreach support is provided. b. Assistance is provided with Environmental Council of States (ECOS) and other national, state, and local policy initiatives, as requested.</p> <p>STATUS: This task was completed.</p>
Goal 4.2 Promote Pollution Prevention	Prevent Pollution and Promote Environmental Stewardship	GOAL #2: Facilitate integration of Pollution Prevention initiatives in UDEQ and throughout the State.	
		<u>Pollution Prevention Objectives:</u> 1. Improve environmental performance through adoption of sustainable practices that can be encouraged through the use of Environmental Management Systems (EMS), showcased through Clean Utah and the P2 Association, and shared with others on UDEQ websites.	<p>a. Number of new Clean Utah participants including the new bronze track, and advancements to Partner or Leader level.</p> <p>STATUS: One new member in new Clean Utah track with 3 facilities. One other new member in Clean Utah (EMS) entry track with 20 facilities. Four other businesses have expressed intention to join new track. Growth has been slow and recruiting activities were limited due to P2 Staff involvement in a State wide Governor's initiative (UCAIR) for voluntary emissions reductions by business for a Clean Air Initiative.</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>b. Number of EMS audits completed. STATUS: 3 EMS Audits completed</p> <p>c. Pollution reductions realized through these efforts in business, industry, or other UDEQ regulated entity. STATUS: Clean Utah Partner Annual Reports included: Reduced electricity by 3,618,311 kWh and an associated savings of 1962 MTCO₂e with electrical saving calculations using 1.193 lbs CO₂ per kWh; Reduced 49 metric tons of NO_x through fleet upgrades; Reduced 718,085 pounds of hazardous chemicals (normalized for production increase) used in production and also reduced the generation of hazardous waste by 230,000 pounds; Reduced water usage by 9.1 million gallons; and, Collectively reduced solid waste by 2328 metric tons. Clean Utah Partner reports submitted on time. An economic benefit from the pollution prevention activities or the partners collectively resulted in a savings to those members of over \$500,000. The P2 2012 issued three individual Meritorious Award to Varian Medical Systems, Rio Tinto/Kennecott Utah Copper and Xanterra Parks and Resorts Zion Lodge. Winners were announced during P2 week in September. Winners saved 5,500,000 gallons of water, reduced 1,500 dekatherms of natural gas use and 75 MTCO₂e, reduced solid waste by 470 metric tons of which 454.5 metric tons were reduced through the elimination of disposable packaging. A Fleet conversion with CNG vehicles resulted in a reduction of 3 MTCO₂e and an associated savings of \$6,940. A solar water heater project reduced propane consumption by 3,600 gallons and 20.3 MTCO₂e</p> <p>d. Pollution reductions at UDEQ. STATUS: State of the art energy efficiency office building. Purchase of 18,000 lbs of 100% post-consumer content office paper. 100 DEQ employees telecommuting once a week with a reduction of 150,000 vehicle miles traveled to date and a reduction of 15,016 lbs of carbon dioxide. 1000 miles estimated. Hybrids part of DEQ fleet and not always available to P2 staff.</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<p>2. Improve environmental awareness through partnerships with the P2 program and other groups/agencies with similar goals and priorities.</p>	<p>a. Number of new and ongoing partnerships. STATUS: New and ongoing partnerships included: New Partnerships added: Salt Lake Chamber, StopWaste Organization, NorhtFront Business Resource Center, Reusable Packaging Association, UDOT's TravelWise, 3form Materials Solutions, Specialty Lens and Horizon Milling. Continued active working partnerships with the following 42 partners during the year: Utah Food Services, Staker Parson's, Cabinetry by Carmen, Davis Chamber of Commerce, Davis Applied Technology College, Ogden/Weber Chamber of Commerce to partnerships, National Energy Foundation, Manufacturing Extension Partnership of Utah, Rocky Mountain Power Clean Cities, Salt Lake City, Salt Lake County, Economic Development Corporation of Utah, Envision Utah, Utah Manufacturers Assn., Intermountain Health Care, University of Utah, Governor's Energy Office, Kennecott Land, Kennecott Utah Copper Operational Services, IM Flash Technologies, Big D Construction, Staker Parson Companies, Swire Coca-cola, Nucor Steel, National Energy Foundation, Utah Chapter of AWWA, Utah Society for Environmental Education, Xanterra-Zion Lodge, Utah Transit Authority, Autoliv, Hexcel Corporation, Firestone Building Products, Circle Four Farms, Granite Construction, Red Hanger Cleaners, Weber State University, May Foundry, Tear-a-Part, USANA, Utah Metal Works, Salt Lake Marriot City Center, and Utah's Local Health Departments</p> <p>b. Number of participants in Utah P2 sponsored conferences and workshops. STATUS: Provided quarterly events to date, one targeting reusable packaging (30), the second overall sustainability issues (300), Clean Utah Luncheon (35) and IHC Healthcare Sustainability Conference (75) as well as Salt Lake Chamber Clean Air Summit (100) for a total outreach to 540 people.</p> <p>c. Effectiveness of the workshops, measured by evaluation forms. d. Number of P2 Association participants.</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			e. Number of P2 award nominations received for annual P2 award recognition program. f. Number of presentations given. g. Completion and distribution of EPA P2 measurement tool.
		3. Encourage Pollution Prevention to Utah citizens through programs that target the reduction and proper disposal of special wastes that can cause human health concerns.	a. Amount of mercury collected and properly disposed. b. Amount of hazardous substance collected and properly disposed. STATUS: Statewide 493,294 gallons of used oil collected
		4. Track P2 grant spending and complete midyear and annual grant objectives	a. Grant objectives met. b. State budget review and planning completed. c. Positive feedback received from EPA and State grant/finance offices. STATUS: Midyear and Annual reports were completed on time and we received positive feedback from EPA counterparts for meeting the objectives of this grant.
		GOAL #3: Promote a sustainable relationship between economic development and environmental protection by coordinating work with businesses and related organizations.	
		<u>Business Assistance Objectives:</u> 1. Facilitate UDEQ cross-media business assistance.	a. Businesses making phone or e-mail contact to PPA receive informational assistance. STATUS: Responded to requests for information and assistance through phone calls and email. b. Pre-design meetings are held. STATUS: Conducted three full Pre-design Meetings and three smaller partial meetings for business not needing a full Pre-design c. Cross-divisional, sector specific focus in outreach activities developed and implemented, as appropriate. STATUS: Ongoing as opportunities and issues arise. d. Business assistance WebPages are regularly updated. STATUS: Ongoing

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<p>e. Opportunities are taken to encourage consistent business assistance policies within UDEQ. STATUS: Ongoing</p> <p>f. Regular coordination with GOED, EDCU, business assistance providers, Chambers of Commerce, and professional associations. STATUS: Routinely coordinates with the Governor's Office of Economic Development, Economic Development Corp of Utah, Utah Manufacturers Association, Chambers of Commerce and numerous other organization in providing resources and assistance.</p>
		2. Serve as Small Business Ombudsman for UDEQ.	<p>a. Air Quality Small Business Compliance Panel remains active and quarterly meetings are held. STATUS: Small Business CAP remains active with quarterly meetings and additional email and phone updates. CAP members are specially invited to participate in air quality planning initiatives including PM2.5 SIP development.</p> <p>b. Availability of ombudsman is promoted on website and as part of informational presentations, as appropriate. STATUS: Information and contacts are provided on appropriate webpages</p> <p>c. Issues brought to ombudsman are appropriately handled. STATUS: Ongoing as requested</p> <p>d. Opportunities are taken to encourage small business considerations in UDEQ policy development. STATUS: Tools and resources focused on small business needs. Small businesses are included in air quality planning initiatives to understand their issues and work with them to design tailored solutions.</p> <p>e. Small businesses receive assistance with UDEQ permitting process and other programs as needed. STATUS: Ongoing through Pre-design and website</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			f. Annual EPA Small Business Assistance Program report is completed. STATUS: Report completed and submitted
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<u>CUSTOMER SERVICE</u>	
		GOAL #4: Provide public information and participation opportunities.	
		<u>Public Education Objectives:</u> 1. Link public education opportunities across divisions.	a. Number of participants reached through display events. STATUS: OPPA is scaling back participation in display events. Approximately 300 people were engaged at events in 2012. b. Print and web-based education materials are current. STATUS: Ongoing. OPPA works with webmaster and divisions to create and update online and hard copy information and outreach materials. c. UDEQ initiatives are incorporated into UEHA, USEE, and other external initiatives. STATUS: Staff participated in the USEE conference, Clean Air Summit, and various other workshops and events to strengthen partnerships and build support for UDEQ initiatives.
		2. Design and implement issue-specific campaigns to inform and involve the public.	a. With DAQ, Choose Clean Air strategies are reviewed, adjusted and implemented each season. STATUS: Many CCA strategies have been updated and rolled over into the Utah Clean Air Partnership Program. In conjunction with the PM2.5 SIP Plan an information brochure and video were created to educate participants, public, and interested stakeholders about the process. b. With appropriate internal and external groups, new outreach projects that support the UDEQ mission are strategized and collaboratively implemented as opportunities arise and support is available. STATUS: OPPA worked with DAQ and external partners to support the Clear the Air Challenge. Promotional efforts were used to highlight DWQ programs and staff.

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		3. Manage information dissemination on UDEQ WebPages.	<p>a. Number of web hits reviewed monthly to determine which pages are being visited.</p> <p>b. Coordination/assistance provided to divisions on best ways to use web to inform public of program or specific issue.</p> <p>c. Internal web committee meets on monthly basis to ensure standardize pages and to suggest improvements/changes to web and web standards, as needed.</p> <p>d. Participation on technical committees using web to assist with public information/presentation aspects.</p> <p>e. PPA-managed pages are reviewed regularly to repair broken links and to ensure information is current and written clearly and concisely, using Associated Press style guidelines.</p> <p>STATUS: Ongoing</p>
		<p><u>Stakeholder Involvement Objectives:</u></p> <p>1. On request, prepare and implement stakeholder involvement plans for specific projects and programs.</p>	<p>a. Plans are developed and implemented in conjunction with program or project manager.</p> <p>STATUS: OPPA and DAQ are wrapping up the PM2.5 workgroup process which engaged more than 100 people. Plans to initiate public involvement as part of the ozone advance in the Uintah Basin are being developed.</p> <p>b. Key stakeholders are involved in the development of plans to ensure concerns are considered.</p> <p>STATUS: PM2.5 workgroup members met in more than 30 meetings to provide feedback about the plan and associated issues and concerns.</p> <p>c. Dry runs are conducted prior to public meetings. Coaching is conducted, on request.</p> <p>STATUS: In addition to using OPPA staff for dry runs, DAQ hired a Public Involvement contractor to assist in preparation.</p> <p>d. As appropriate, surveys or other feedback tools are used at the conclusion of project to gauge success.</p> <p>STATUS: As part of the PM2.5 SIP development planning process more than 100 workgroup members were surveyed twice to gain their input and insight into the plan.</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategy: Working for Environmental Justice and Children's Health		2. Ensure Environmental Justice (EJ) issues are incorporated into community involvement plans.	<p>a. Assistance is provided on EJ questions, as needed and in coordination with EPA. STATUS: EJ issues are resolved as needed and in coordination with EPA when they arise.</p> <p>b. Grant information is provided to interested entities. STATUS: grant information received from EPA is disseminated to partner organizations and through email lists.</p>
Cross-cutting Strategy: Expanding the Conversation on Environmentalism		<u>Media Relations Objective:</u> 1. Assist PIO with UDEQ media relations. 2. Utilize UDEQ's Web site to proactively highlight issues and keep it current and relevant.	<p>a. PIO back-up is provided. b. UDEQ media policy is followed. c. Opportunities to inform public of issues or programs through the media are actively sought and story ideas forwarded to PIO. d. Opportunities to contribute to UDEQ's bi-monthly newsletter and social media platforms are actively sought and promoted throughout the Department. STATUS: Ongoing and routine as part of doing business. Social media and storytelling opportunities are actively sought and being integrated with ongoing division communications.</p>
Cross-cutting Strategy: Strengthening Partnerships		<u>PARTNERSHIPS</u> GOAL #5: Assist with ensuring effective delivery of environmental services through intergovernmental collaboration.	
		<u>Objective:</u> 1. Involve and/or inform appropriate agencies and/or levels of government when PPA has responsibility for, or is assisting with, project activities.	<p>a. Interest is determined. b. Status reports provided. c. Involvement facilitated and feedback solicited. STATUS: Partner agencies are engaged through ongoing communication and collaborative participation projects, events, and policymaking.</p>
		<u>Local Health Liaison Objective:</u> 1. Facilitate strong relationship between UDEQ and the Local Health Departments.	<p>a. Participation in CLEHA, Local Health Officers' Association, Local Boards of Health, and UEHA meetings. b. Process for the three-year contracts is successfully coordinated and completed. c. Annual EOY reports are coordinated and completed. d. Partnership meetings are effective and issues raised are tracked and resolved. STATUS: DEQ participated in Local Health Department</p>

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
			<i>meetings. Annual reports were gathered in time. DEQ continues to work with Local Health Departments to track issues and resolve problems.</i>
Supports all Strategic Goals		<u>EMPLOYEES</u>	
		GOAL #6: Promote excellence in customer service by encouraging and supporting employees.	
	<u>Objective:</u> 1. Support UDEQ leadership development initiative.		a. Quarterly leadership-training classes are held. b. Follow-up activities in sections and branches are facilitated, as requested c. Individual employees are coached, as requested. d. Participation on Employee Development Committee. STATUS: Leadership classes were held and individual staff members who were interested were mentored in follow-up meetings. Several section/branch specific trainings were held. OPPIA participated as a member of the Employee Development Committee.
	2. Support UDEQ Inner web and employee web casts as a way to keep employees informed of events and issues that impact them.		a. Inner web content is current. b. Feedback sought to determine employee interest. c. Support provided to Quality Council and other Employee web casts STATUS: Ongoing
	3. Encourage employee development, staff teamwork, and mutual support		a. PPA staff has valued added roles in department activities. b. Teamwork and individual efforts are recognized. c. Staff meetings are used to share project information, to encourage synergy and collaboration, and to problem-solve. d. Training is provided. e. Participation in professional organizations is encouraged. STATUS: Ongoing

OFFICE OF SUPPORT SERVICES

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
Cross-cutting Strategic Goal: Strengthening Partnerships		<p>II. <i>CUSTOMER SERVICE</i></p> <p>GOAL: Operate as customer-oriented agency by focusing on customer service, trust and problem solving through teamwork and partnership.</p> <p><u>OSS</u></p> <ol style="list-style-type: none"> 1. Meet with each Division/Office in the Department to discuss the quality of our services and any gaps. 2. Continue to develop the OSS portion of the inner-web as needed to provide information, policies, procedures and forms commonly used by the Department. 3. Survey Department on OSS Customer Service and operations. 	<ol style="list-style-type: none"> 1. Customers' opinions solicited. 2. Customers accept our recommendations. 3. Division/office directors receive prompt and complete customer service. <p><i>STATUS: All customer service goals were met. In addition, OSS completed a department-wide Kaizen process improvement project which has reduced cycle times and improved customer service.</i></p>
Supports all Strategic Goals		<p><u>Auditor</u></p> <ol style="list-style-type: none"> 1. Conduct audits of all major waste disposal fee facilities each year. The auditor will assist in scheduling an annual Audit Committee meeting to assign additional audits and to discuss yearly priorities and any other relevant topics. 2. Be a resource to perform internal audits as assigned by the Audit Committee. Potential items to review via the internal audit function include: <ol style="list-style-type: none"> a. Divisions and their billing practices. b. Cash receipts recorded by each Division. c. DSHW agreements/permit work involving the recording of deferred revenues. 3. Receive copies of the monthly waste fee reports and will monitor waste fee payments. Significant fluctuations will be investigated and tonnage figures will be reconciled back to payments received on a monthly basis. 	
Supports all Strategic Goals		<p>III. <u>STATE-BASED REGULATION OF ENVIRONMENTAL PROGRAMS</u></p> <p>GOAL: Take an active role to help influence and develop rules and programs that are consistent with and help Utah achieve its needs.</p>	

EPA Goal and Objective	EPA Measurement	UDEQ Goal	UDEQ Measure
		<u>OSS</u> Continue to provide the financial application for the Performance Partnership Grant.	Complete the grant and all necessary amendments and changes within prescribed due dates. STATUS: Goal was met
Cross-cutting Strategy: Strengthening Partnerships		IV. <u>PARTNERSHIP WITH FEDERAL, STATE, LOCAL AND TRIBAL GOVERNMENTS</u> <u>OSS</u> 1. Key problems identified by UDEQ, LHDs and local governments are addressed and solutions developed and implemented. 2. Help ensure the effectiveness of the Environmental Service Delivery Plan in developing a state/local partnership, coordinating delivery of services, and obtaining adequate resources. 3. Provide appropriate administrative support to strengthen the relationship of the Department with local health departments and local governments.	1. Process quarterly contract payments on a timely basis. 2. Prepare annual Building Block for cost of living increases. 3. Assist in the processing of annual contract and or amendment. STATUS: Quarterly payments were issued on time. Annual reports were submitted by each LHD on work completed. OSS also oversaw the financial end of the annual Local Health Contract.